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Timber Resource Statistics for the Northern Interior Resource Area of California

Perry Colclasure, Joel Moen, and Charles L. Bolsinger

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Authors

PERRY COLCLASURE is a forester, JOEL MOEN is a computer programmer, and CHARLES L. BOLSINGER is a resource analyst at the Pacific Northwest Research Station, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

Abstract

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This report is one of five that provide timber resource statistics for 57 of the 58 counties in California (San Francisco is excluded). This report presents statistics from a 1981-84 inventory of the timber resources of Lassen, Modoc, Shasta, Siskiyou, and Trinity Counties. Tables presented are of forest area and of timber volume, growth, and mortality.

Timberland area is an estimated 5.7 million acres, 40 percent of the total land area. Total growing stock volume is 16 billion cubic feet. The northern interior resource area contains 14 percent of the State's total land area, 35 percent of the timberland, and 29 percent of the growing stock volume.

Keywords: Forest surveys, statistics (forest), timber resources, resources (forest), California.

Preface

Forest Inventory and Analysis is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service Experiment Stations, conduct forest inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for inventories in California, Hawaii, Oregon, and Washington.

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Highlights

- Total land area is 14 million acres, or 14 percent of the land area in California.
- Total forest land area is an estimated 9.8 million acres, or 70 percent of the total land in the resource area and 25 percent of total forest land in the State.
- Timberland area is 5.7 million acres, or 40 percent of the total land in the resource area and 35 percent of the total timberland in the State.
- Fifty-six percent of the timberland is in National Forests; 31 percent is in forest industry ownership; 10 percent is in farmer and miscellaneous private ownership; and 3 percent is other public.
- Total growing stock volume on timberland is 16.1 billion cubic feet, of this 88 percent is in softwood species.
- Sixty-eight percent of the growing stock volume is in National Forests; 24 percent is on forest industry-owned lands; 6 percent is on farmer and miscellaneous private lands; and 2 percent is other public.
- Seventy-six percent of the timberland area is classified as sawtimber and 3 percent is nonstocked.
- Forty-nine percent of the timberland area is mixed conifer type; 20 percent is ponderosa and Jeffrey pine; 11 percent is Douglas-fir; 9 percent is red and white firs; and 4 percent is California black oak.
- Thirty-seven percent of the softwood growing stock volume on timberland is Douglas-fir; 25 percent is ponderosa and Jeffrey pines; and 22 percent is red and white firs.
- Of the 1.9 billion cubic feet of hardwoods on timberland, 37 percent is California black oak and 33 percent is canyon live oak.

Volume Change

Data from 174 forest plots, outside National Forests, originally established in 1968-71 and remeasured in the current inventory were analyzed to determine volume change. For each tree, volume was calculated for both occasions using the current gross volume equations, culling procedures, and expansion factors. Ingrowth trees and trees that died or were cut during the period were also accounted for using the current procedures. The results of this analysis show that the cubic volume of softwood growing stock decreased 1.8 percent over an average of 12.5 growing seasons, and hardwood growing stock volume increased 23.1 percent. On an annual basis this is a 0.14-percent decrease for softwoods and a 1.85-percent increase for hardwoods.

1984 California Wilderness Bill

At the time the information for this report was compiled specific data for lands dedicated as wilderness in the 1984 California Wilderness Bill were not available. For most National Forests the 1984 wilderness additions correspond closely to the area of deferred forest shown in table 1.

Introduction

This report presents timber resource statistics for the northern interior resource area, California, which is comprised of Lassen, Modoc, Shasta, Siskiyou, and Trinity Counties (fig. 1).

Results are summarized of the 1981-84 inventory of forest lands outside the National Forests and of the most recent inventory of National Forest lands.

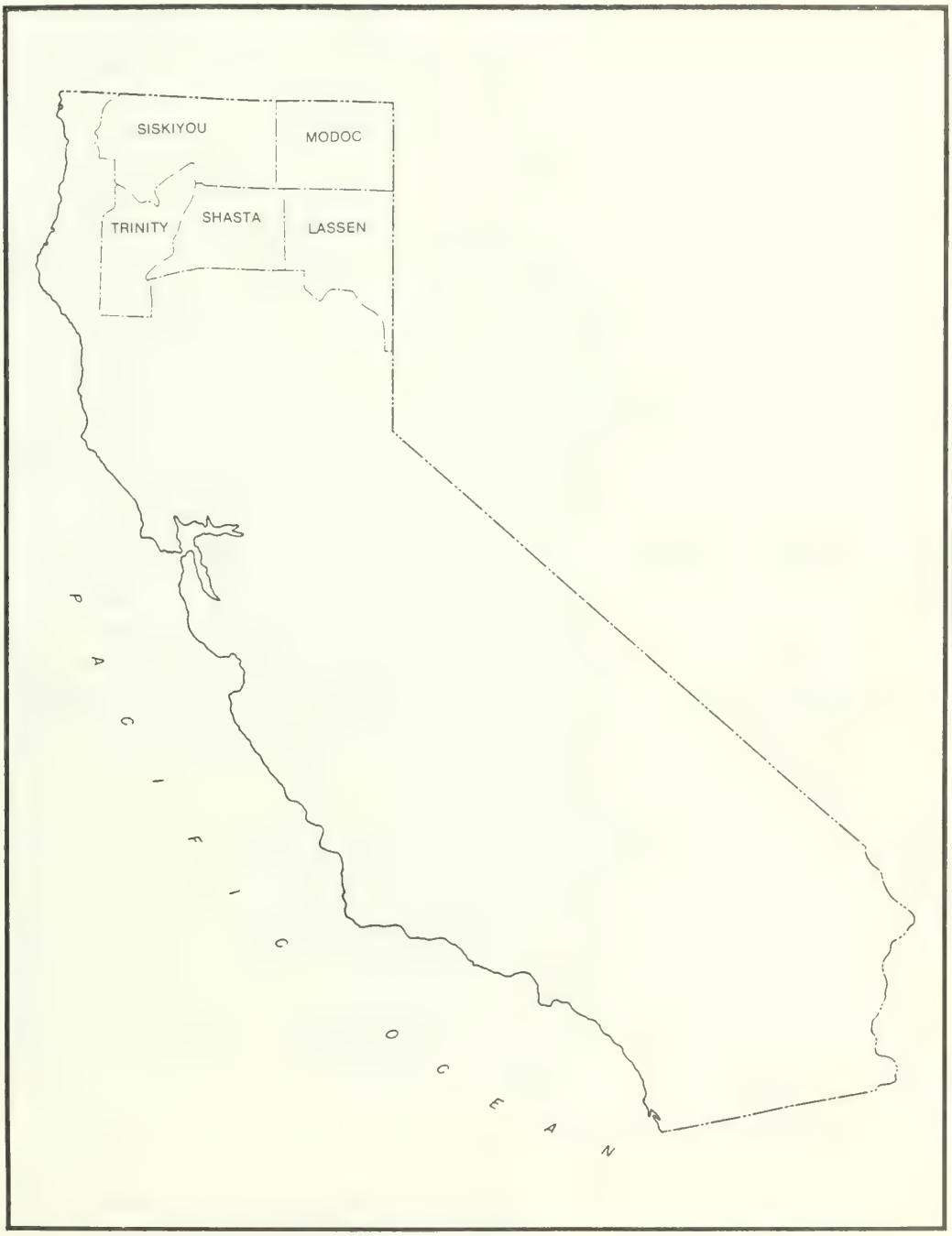

Figure 1.—Counties included in the northern interior resource area of California.

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Inventory Procedures

This report presents inventory data collected by the National Forest System for 10 National Forests (Klamath, Lassen, Mendocino, Modoc, Plumas, Rogue River, Shasta (the Shasta and the Trinity are now the Shasta-Trinity), Six Rivers, Toiyabe, and Trinity) with inventory data for State, county, municipal, Indian trust, other Federal, and private forest lands collected by the Forest Inventory and Analysis Work Unit of the Pacific Northwest Research Station.

Inventorying National Forests involved two steps. In the first step, the area of each National Forest was classified into land class, broad forest type, stand size, and tree density using aerial photographs. The second step was sampling on the ground to determine volume per acre within forest type, stand size, and tree density classes. The ground sample consisted of five points, 2 chains (132 feet) apart, arranged in an L-shape. At each of the five points, tree attributes were collected on a variable-radius plot, and a seedling count was done on a fixed-radius plot.

For lands outside National Forests and outside National, State, county, and regional parks, forest statistics were obtained by using Cochran's (1963) double sampling for stratification. The primary sample consisted of aerial photo points located as follows: A computer-generated grid was projected over the State, which divided the area into squares 0.85 miles on a side. Within each square a randomly located point was plotted on a U.S. Geological Survey quadrangle map. Each point was transferred to an aerial photograph. Each point was classified by major land class (timberland, unproductive forest, and nonforest). Forest points were classified by owner group from county assessors' records. Timberland points were further stratified into stand volume classes, and unproductive forest points were classified into broad types (such as oak woodland, chaparral, and pinyon-juniper).

The secondary sample, a subsample of about 1 out of 16 of the aerial photo points, was selected on a systematic grid with a 3.4-mile interval. Each selected point was examined to determine the accuracy of the aerial photo classification. At each of the 3.4-mile grid points in timberland, ground plots were established to obtain detailed information on trees, other vegetation, and site characteristics. In unproductive forest, ground plots were established on every other grid point (6.8 miles).

Timberland plots consisted of five subplots distributed over a 5-acre area. Unproductive forest plots had either five or three subplots. Trees were tallied and attribute data were recorded on a series of fixed- and variable-radius plots. In addition, ground vegetation and physical attribute data were recorded from a fixed-radius plot. Some of the plot locations in timberland were established during previous inventories and were remeasured to determine growth and mortality rates. Regression estimators of growth and mortality that were developed from these plots were applied to all trees tallied in the inventory to estimate total growth and mortality. Tree and stand characteristics and environmental factors were used as variables in the growth and mortality estimators.

The following tabulation shows the number of photo points and ground plots outside National Forests, by category, for the northern interior resource area:

	Number of points or plots
Forest photo points	9,068
Forest ground plots (examined to verify land class)	515
Timberland ground plots with tree and vegetation tally (including 174 plots remeasured)	294
Unproductive forest ground plots with tree and vegetation tally	61

Reliability of Inventory Data

Data From National Forests

The forest resource statistics for National Forests were collected by National Forest System personnel. The Pacific Southwest Region of the National Forest System, headquartered at San Francisco, administers most of the timberland in National Forests in the northern interior resource area. A small portion is administered by the Pacific Northwest Region at Portland, Oregon (Rogue River National Forest) and the Intermountain Region at Ogden, Utah (Toiyabe National Forest).

Timber inventories in these National Forests have been designed to estimate total growing stock and sawtimber volume within a ±10-percent confidence band at the 68-percent probability level.

Area of forest land by broad type (stratum) is determined by mapping technique and, hence, has no sampling error. A check of the classification for two National Forests determined that the strata were accurately defined as to type 85 percent of the time.[1/]

Data From Outside National Forests

For lands outside National Forests, all area and volume statistics reported are based on sampling and are subject to sampling error. The following are estimates of timberland area, volume, and growth with associated confidence intervals (68-percent probability level):

Owner	Timberland area (Thousand acres)	Volume (Million cubic feet)	Gross growth (Thousand cubic feet)
Other public	126 ± 18	318 ± 65	9,218 ± 2,088
Forest industry with mill	723 ± 23	1,598 ± 114	54,544 ± 4,317
Forest industry without mill	1,034 ± 31	2,180 ± 136	63,811 ± 3,981
Farmer and miscellaneous private	580 ± 35	1,094 ± 96	35,620 ± 3,635
Total	2,463 ± 52	5,190 ± 210	163,192 ± 7,130

[1]For more information contact USDA Forest Service, 630 Sansome Street, San Francisco, California 94111; 319 S.W. Pine Street, P.O. Box 3623, Portland, Oregon 97208; or 324 25th Street, Ogden, Utah 84401.

Confidence intervals vary with both size of the estimate and variance of the item being estimated. Actual confidence intervals have been calculated for most of the tabular data in this report; they are available on request. The confidence intervals that follow are examples taken from the actual data for this report. Owner and land class data are based on the primary sample, and the data by type or class and the volume data are based on the double sample of photo and field plots.

Forest land area by owner and land class	Estimated area	Confidence interval
	(Thousand acres)	(Thousand acres)
Private unproductive forest	1,082	±49
Forest industry without mill	1,034	±31
Timberland, Siskiyou County	719	±35
Farmer and miscellaneous private timberland	580	±23
Other public timberland	126	±18

Timberland area by type or class	Estimated area	Confidence interval
	(Thousand acres)	(Thousand acres)
Small sawtimber	1,641	±73
Mixed conifer type	1,440	±76
Site class 50-84	918	±72
Forest industry without mill, sawtimber	694	±43
Site class 120-164	321	±47
Forest industry with mill, large sawtimber	51	±21

Timber volume	Estimated volume	Confidence interval
	(Million cubic feet)	(Million cubic feet)
Total conifer	4,505	±199
Forest industry with mill, conifer	1,409	±110
Douglas-fir[2/]	1,285	±136
White fir	1,065	±110
Farmer and miscellaneous private, conifer	821	±84
Total hardwood	685	±75
Incense-cedar	394	±57
Forest industry with mill, hardwoods	189	±34
Farmer and miscellaneous private, Jeffrey pine	103	±36
Other public hardwoods	50	±16

[2/] Scientific names of species are given at the end of text.

Terminology

Bureau of Land Management lands—Federal lands administered by the Bureau of Land Management, U.S. Department of the Interior.

Chaparral—Areas covered with heavily branched dwarf trees or shrubs, usually evergreen, the crown canopy of which at maturity usually covers more than 50 percent of the ground. The principal genera are *Adenostoma, Arctostaphylos, Ceanothus, Cercocarpus, Garrya,* and *Quercus.* Areas in which the predominant cover is *Artemisia, Gutierrezia, Opuntia, Salvia* or semidesert species are considered nonforest.

Class of timber—A classification of trees as growing stock, cull, and salvable dead. Growing stock trees are subdivided into poletimber and sawtimber trees.

County and municipal lands—Lands owned by county or other local public agencies.

Cull trees—Live trees that are more than 75-percent defective and are unlikely to become growing stock.

Cull trees, rotten—Cull trees with defect caused primarily by rot.

Cull trees, sound—Trees with defect caused primarily by poor form.

Diameter class—A classification of trees based on diameter outside the bark measured at breast height, 4½ feet above the ground. D.b.h. is the common abbreviation for "diameter at breast height."

Farmer and miscellaneous private lands—All privately owned lands except those classed as forest industry lands, with or without mills.

Forest industry lands:

With mills —Lands owned by companies or individuals operating wood-using plants.

Without mills —Lands owned by companies or individuals that manage forests for timber production but do not operate mills.

Forest land—Land at least 10 percent covered by crowns of live trees, or 50 percent crown cover in chaparral species (see definition of chaparral); or land formerly having such cover and not currently developed for nonforest use.

Forest land, administratively withdrawn—National Forest lands withdrawn from resource management and utilization by local administrative order (but not by statute or ordinance).

Forest land, deferred—National Forest forest land that was under study for wilderness designation at the time the information for this report was collected. Most of this land was in fact dedicated as wilderness in the October 1984 California Wilderness Bill.

Forest land, reserved—Forest land withdrawn from forest management through statute or ordinance. Included are National Forest wilderness; National, State, and county parks; and other reservations.

Forest types—Stands in which 50 percent or more of the cover is in live conifer trees are classed as softwood types. Stands with a majority of the cover in live hardwood trees are classed as hardwood types. Within these two groups, the individual forest type is determined by plurality of species, with the exception of the mixed-conifer type. Mixed conifer includes stands containing two or more of the following species when no single species makes up 80 percent of the cover: Douglas-fir, white fir, red fir, ponderosa pine, Jeffrey pine, sugar pine, and incense-cedar.

Gross annual growth—The increase in volume of trees during a specified year. Components of gross annual growth of trees: (a) the increment in sound volume of trees alive at the beginning of the specified year and surviving to the year's end, plus (b) the sound volume of trees reaching sawtimber or poletimber size during the year.

Growing stock trees—All live trees with the exception of cull trees.

Growing stock volume—Net volume in cubic feet of live sawtimber and poletimber growing stock trees from stump to a minimum 4-inch top (of central stem) outside the bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Hardwoods—Trees that are angiosperms, usually broad-leaved.

Indian lands—Tribal lands held in fee by the Federal Government but administered for Indian tribal groups, and Indian trust allotments.

Industrial wood—All commercial roundwood products except fuelwood. Roundwood includes logs or bolts that are in straight sections at least 8 feet long in hardwoods and 12 feet long in softwoods.

International ¼-inch rule—The standard board-foot log rule adopted nationally by the USDA Forest Service for the presentation of inventory volume statistics.

Land area—Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water, such as marshes, swamps, and river flood plains, streams, sloughs, and canals less than ⅛-mile wide; and lakes, reservoirs, and ponds less than 40 acres in area.

Land class—A classification of land by major use. The minimum size area for classification is 1 acre.

Mean annual increment—A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. For a given species and site index the average is based on the age at which the mean annual increment culminates for fully stocked stands.

Mortality—Volume of sound wood in growing stock trees that died from natural causes during a specified period.

National Forest lands—Federal lands that have been designated by Executive order or statute as National Forest or purchase units and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Nonforest land—Land that has never supported forests or was formerly forested and is currently developed for nonforest use. Included are lands used for agricultural crops, Christmas tree farms, improved pasture, residential areas, improved roads, operating railroads and their right-of-way clearings, powerline and pipeline clearings, streams over 30 feet wide, and 1- to 40-acre areas of water classified by the Bureau of the Census as land. If intermingled in forest areas, unimproved roads and other nonforest strips must be more than 120 feet wide, and clearings or other areas must be 1 acre or larger to qualify as nonforest land.

Nonstocked areas—In mapped areas, timberland with less than 10 percent crown cover; in sampled areas, timberland with no tally trees on 4 or 5 of the 5 subplots (see "Inventory Procedures").

Other Federal lands—Federal lands other than those administered by the USDA Forest Service.

Other public lands—Lands administered by public agencies other than the USDA Forest Service.

Poletimber stands—In National Forests, stands with less than 10 percent crown cover in sawtimber-sized trees and more than 10 percent crown cover in smaller trees, the predominance of which have crowns 6 to 12 feet in diameter. Outside National Forests, stands with a mean diameter (weighted by basal area) from 5.0 to 9.0 inches, if softwood, and from 5.0 to 11.0 inches, if hardwood.

Poletimber trees—Live trees at least 5.0 inches in d.b.h. but smaller than sawtimber size, and of good form and vigor.

Productive forest—Forest land capable of producing 20 cubic feet or more per acre per year in continuous crops of industrial wood.

Salvable dead trees—Dead, standing or downed trees, at least 9.0 inches in d.b.h. for softwoods and at least 11.0 inches in d.b.h. for hardwoods, containing 25 percent or more sound wood volume and at least one straight, sound, 12-foot log, if softwood, or one straight, sound, 8-foot log, if hardwood.

Sapling and seedling stands—In National Forests, stands with less than 10 percent crown cover in sawtimber-sized trees and more than 10 percent crown cover in smaller trees, the predominance of which have crowns less than 5 feet in diameter. Outside National Forests, stands with a mean diameter (weighted by basal area) less than 5.0 inches.

Sapling and seedling trees—Live trees less than 5.0 inches in d.b.h. with no disease, defects, or deformities likely to prevent their becoming poletimber trees.

Saw-log portion—The bole of sawtimber trees between the stump and the saw-log top.

Sawtimber stands—In National Forests, stands with 10 percent or more crown cover and the predominance of the trees having crowns 13 or more feet in diameter. Outside National Forests, stands with a mean diameter (weighted by basal area) at least 9.0 inches in d.b.h., if softwood, and at least 11.0 inches in d.b.h., if hardwood.

Sawtimber trees—Live softwood trees at least 9.0 inches in d.b.h. and hardwood trees at least 11.0 inches in d.b.h. At least 25 percent of the board-foot volume in a sawtimber tree must be free from defect. Softwood trees must contain at least one 12-foot saw log with a top diameter of not less than 6 inches inside bark; hardwood trees must contain at least one 8-foot saw log with a top diameter of not less than 8 inches inside bark.

Sawtimber volume—Net volume of sawtimber trees measured in board feet. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Scribner rule—The common board-foot log rule used locally in determining volume of sawtimber. Scribner volume is estimated in terms of 16-foot logs (short-log rule).

Site class—A classification of the potential productivity of forest land in terms of mean annual increment.

Softwoods—Coniferous trees, usually evergreen, with needles or scalelike leaves.

State lands—Lands owned or administered by State agencies.

Timber harvest—Volume of roundwood removed from forest land for products.

Timber volume—Includes the net volume in cubic feet of live poletimber and sawtimber trees, salvable dead sawtimber trees, and rotten cull trees; and the gross volume in sound cull trees. Volume is measured from stump to a minimum 4-inch top outside the bark.

Timberland (productive forest)—Forest land capable of continuously producing 20 cubic feet or more per acre per year of industrial wood, and not withdrawn by statute, ordinance, or administrative order from timber utilization.

Unproductive forest—Forest land incapable of continuously producing 20 cubic feet per acre per year of industrial wood because of adverse site conditions such as sterile soils, dry climate, poor drainage, high elevation, steepness, or rockiness. Includes low site and steep rocky areas supporting stands of conifers, such as ponderosa pine and Douglas-fir, and areas of oak, pinyon, juniper, and cypress woodlands, and chaparral.

Upper-stem portion—The bole of sawtimber trees above the saw-log top—7.0 inches outside bark for softwoods and 9.0 inches outside bark for hardwoods—to a minimum top diameter of 4.0 inches outside bark, or to the point where the central stem breaks into limbs.

Names of Trees [3/]

Scientific name	Common name
Softwoods:	
Abies concolor (Gord. & Glend.) Lindl. ex Hildebr.	white fir
Abies grandis (Dougl. ex D. Don) Lindl.	grand fir
Abies magnifica A. Murr.	California red fir
Abies magnifica var. *shastensis* Lemm.	Shasta red fir
Chamaecyparis lawsoniana (A. Murr.) Parl.	Port-Orford-cedar
Juniperus occidentalis Hook.	western juniper
Libocedrus decurrens Torr.	incense-cedar
Picea brewerana Wats.	Brewer spruce
Pinus albicaulis Engelm.	whitebark pine
Pinus attenuata Lemm.	knobcone pine
Pinus balfouriana Grev. & Balf.	foxtail pine
Pinus contorta Dougl. ex Loud.	lodgepole pine
Pinus jeffreyi Grev. & Balf.	Jeffrey pine
Pinus lambertiana Dougl.	sugar pine
Pinus monticola Dougl. ex D. Don	western white pine
Pinus ponderosa Dougl. ex laws.	ponderosa pine
Pinus sabiniana Dougl.	Digger pine
Pseudotsuga menziesii (Mirb.) Franco	Douglas-fir
Tsuga mertensiana (Bong.) Carr.	mountain hemlock
Hardwoods:	
Acer macrophyllum Pursh	bigleaf maple
Aesculus californica (Spach) Nutt.	California buckeye
Alnus rhombifolia Nutt.	white alder
Alnus rubra Bong.	red alder
Arbutus menziesii Pursh	Pacific madrone
Castanopsis chrysophylla (Dougl.) A.DC.	giant chinkapin
Lithocarpus densiflorus (Hook. & Arn.) Rehd.	tanoak
Populus fremontii Wats.	Fremont cottonwood
Populus tremuloides Michx.	quaking aspen
Populus trichocarpa Torr. & Gray	black cottonwood
Quercus chrysolepis Liebm.	canyon live oak
Quercus garryana Dougl. ex Hook.	Oregon white oak
Quercus kelloggii Newb.	California black oak
Quercus lobata Nee	valley oak
Umbellularia californica (Hook. & Arn.) Nutt.	California-laurel

[3/] Scientific names of trees according to Little (1978).

Tables

Table 1—Area by land class and county, northern interior resource area, California, January 1, 1985 1/

LAND CLASS	LASSEN	MODOC	SHASTA	SISKIYOU	TRINITY	ALL COUNTIES
			THOUSAND ACRES			
PRODUCTIVE FOREST:						
TIMBERLAND	709	566	1,182	2,115	1,080	5,652
RESERVED	44	15	92	134	47	333
DEFERRED 2/ 3/	1	1	8	178	28	216
ADMINISTRATIVELY WITHDRAWN 2/	--	--	--	3	2	5
TOTAL	753	582	1,283	2,431	1,157	6,206
UNPRODUCTIVE FOREST:						
UNRESERVED	528	796	689	722	541	3,276
RESERVED	2	37	26	58	6	127
DEFERRED 2/ 3/	--	1	12	4/	187	200
ADMINISTRATIVELY WITHDRAWN 2/	--	1	--	--	2	3
TOTAL	531	834	727	781	736	3,606
NONFOREST	1,630	1,184	414	808	141	4,180
TOTAL LAND AREA	2,914	2,601	2,423	4,020	2,035	13,992

-- = none found.

1/Totals may be off because of rounding.

2/This category used for National Forest lands.

3/For most National Forests the area of deferred forest corresponds closely to the 1984 wilderness additions.

4/Less than 500 acres.

Table 2—Area of timberland by ownership class and county, northern interior resource area, California, January 1, 1985 1/

OWNERSHIP CLASS	LASSEN	MODOC	SHASTA	SISKIYOU	TRINITY	ALL COUNTIES
			THOUSAND ACRES			
NATIONAL FOREST	376	339	407	1,396	672	3,190
OTHER PUBLIC	24	5	37	20	39	126
FOREST INDUSTRY WITH MILL	94	36	265	230	98	723
FOREST INDUSTRY WITHOUT MILL	173	136	304	259	161	1,034
FARMER AND MISCELLANEOUS PRIVATE	42	49	169	209	111	580
ALL OWNERSHIPS	709	566	1,182	2,115	1,080	5,652

1/Totals may be off because of rounding.

Table 3—Area of timberland by cubic-foot site and ownership classes, northern interior resource area, California, January 1, 1985 1/

SITE CLASS	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY WITH MILLS	FOREST INDUSTRY WITHOUT MILLS	FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
CUBIC FEET	- - -

Table 5—Area of timberland by forest type and ownership class, northern interior resource area, California, January 1, 1985 1/

FOREST TYPE	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			THOUSAND ACRES			
MIXED CONIFER	1,308	55	474	648	263	2,749
PONDEROSA PINE	696	11	106	105	65	983
DOUGLAS-FIR	604	--	--	--	--	604
WHITE FIR	161	--	51	98	7	317
CALIFORNIA RED FIR	144	--	--	19	--	163
JEFFREY PINE	--	14	11	36	58	118
LODGEPOLE PINE	54	--	--	9	--	62
SHASTA RED FIR	--	--	14	20	--	34
KNOBCONE PINE	7	--	11	--	--	18
DIGGER PINE	3	--	--	--	--	3
CALIFORNIA BLACK OAK	42	18	33	15	104	212
CANYON LIVE OAK	32	18	6	32	48	137
OREGON WHITE OAK	3	--	--	9	12	24
TANOAK	2/	--	9	--	12	22
WHITE ALDER	--	--	--	6	--	6
PACIFIC MADRONE	3	--	--	--	--	3
BIGLEAF MAPLE	2/	--	--	--	--	2/
COTTONWOOD 3/	2	--	--	--	--	2
GIANT CHINKAPIN	1	--	--	--	--	1
INTERIOR LIVE OAK	1	--	--	--	--	1
VALLEY OAK	2/	--	--	--	--	2/
NONSTOCKED	127	10	7	37	12	193
ALL TYPES	3,190	126	723	1,034	580	5,652

-- = none found.

1/Totals may be off because of rounding.

2/Less than 500 acres.

3/Includes black cottonwood and Fremont cottonwood.

Table 6A—Area of reserved, deferred, and administratively withdrawn forest land by land class, forest type, and ownership class, northern interior resource area, California, January 1, 1985 1/

LAND CLASS AND FOREST TYPE	NATIONAL FOREST				OUTSIDE NATIONAL FOREST 2/					ALL OWNERSHIPS
	RESERVED	DEFERRED	ADMINISTRATIVELY WITHDRAWN	TOTAL	NATIONAL PARKS	OTHER FEDERAL	STATE PARKS	PRIVATE	TOTAL	
	THOUSAND ACRES									
PRODUCTIVE:										
DOUGLAS-FIR	52	51	1	103	--	--	--	--	--	103
MIXED CONIFER	113	145	1	259	12	9	3	2	26	284
TRUE FIRS	45	15	3/	61	23	--	--	--	23	84
MOUNTAIN HEMLOCK	--	--	--	--	2	--	--	--	2	2
PONDEROSA AND JEFFREY PINE	15	1	3	19	12	13	--	--	25	44
LODGEPOLE PINE	8	3/	--	9	21	--	--	--	21	30
RED ALDER	--	--	--	--	--	--	3/	--	3/	3/
ALL OAKS	3	2	3/	5	--	--	--	--	--	5
NONSTOCKED	--	1	3/	1	--	--	--	--	--	1
TOTAL	236	216	5	457	70	22	3	2	97	554
UNPRODUCTIVE:										
TRUE FIRS	1	37	--	38	--	--	--	--	--	38
DOUGLAS-FIR	3/	24	1	25	--	--	--	--	--	25
MIXED CONIFER	8	64	3/	72	--	--	--	--	--	72
MOUNTAIN HEMLOCK	--	1	--	1	--	--	--	--	--	1
PONDEROSA AND JEFFREY PINE	2	4	--	6	--	--	1	--	1	7
LODGEPOLE PINE	2	--	--	2	--	--	--	--	--	2
WHITEBARK PINE	8	--	--	8	3/	--	--	--	3/	8
FOXTAIL PINE	3/	--	--	3/	--	--	--	--	--	3/
KNOBCONE PINE	--	3	--	3	--	--	--	--	--	3
DIGGER PINE	--	3/	--	3/	--	--	--	--	--	3/
JUNIPER/PINYON	6	3	1	10	14	--	3/	--	14	24
TANOAK	3/	--	3/	3/	--	--	--	--	--	3/
PACIFIC MADRONE	3/	--	3/	3/	--	--	--	--	--	3/
QUAKING ASPEN	4	3/	--	4	--	--	--	--	--	4
COTTONWOOD 4/	3/	5	--	5	--	--	3/	--	--	5
ALL OAKS	3	24	3/	27	1	7	1	--	9	36
CHAPARRAL	54	9	1	64	7	10	3/	--	17	81
UNCLASSIFIED	--	26	--	26	--	--	--	--	--	26
TOTAL	89	200	3	292	22	17	3	--	42	333
TOTAL	325	417	7	749	92	39	5	2	139	887

-- = none found.

1/Totals may be off because of rounding.

2/No reserved area reported for "other State" and "county and municipal" ownership classes.

3/Less than 500 acres.

4/Includes black cottonwood and Fremont cottonwood.

Table 6B—Area of unreserved unproductive forest land by forest type and ownership class, northern interior resource area, California, January 1, 1985 1/

FOREST TYPE	NATIONAL FOREST	OTHER PUBLIC	PRIVATE	ALL OWNERSHIPS
		THOUSAND ACRES		
TRUE FIRS	52	--	7	59
DOUGLAS-FIR	130	--	--	130
MIXED CONIFER	273	--	97	370
MOUNTAIN HEMLOCK	2/	--	--	2/
PONDEROSA AND JEFFREY PINE	264	10	--	274
LODGEPOLE PINE	11	--	--	11
WHITE PINE	2	--	--	2
KNOBCONE PINE	15	--	6	21
DIGGER PINE	12	27	91	130
JUNIPER/PINYON	532	369	315	1,216
TANOAK	2	--	--	2
PACIFIC MADRONE	2	--	--	2
BIGLEAF MAPLE	2/	--	27	28
QUAKING ASPEN	18	--	--	18
COTTONWOOD 3/	2	--	--	2
ALL OAKS	190	27	383	600
CHAPARRAL	146	53	156	355
UNCLASSIFIED	54	--	--	54
ALL FOREST TYPES	1,707	487	1,082	3,276

-- = none found.

1/Totals may be off because of rounding.

2/Less than 500 acres.

3/Includes black cottonwood and Fremont cottonwood.

Table 7—Volume of timber on timberland by class of timber and by softwoods and hardwoods, northern interior resource area, California, January 1, 1985 1/

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
		MILLION CUBIC FEET	
SAWTIMBER TREES:			
SAW-LOG PORTION	12,831	764	13,595
UPPER-STEM PORTION	299	430	729
TOTAL	13,130	1,195	14,324
POLETIMBER TREES	1,031	742	1,773
ALL GROWING STOCK	14,162	1,937	16,099
SOUND CULL TREES	222	119	341
ROTTEN CULL TREES	63	238	301
SALVABLE DEAD TREES	216	5	221
ALL TIMBER	14,663	2,299	16,961

1/Totals may be off because of rounding.

Table 8—Volume of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, northern interior resource area, California, January 1, 1985[1/]

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - - MILLION CUBIC FEET - - - -		
GROWING STOCK:				
NATIONAL FOREST	3,419	9,657	1,251	10,908
OTHER PUBLIC	2,524	268	50	318
FOREST INDUSTRY WITH MILL	2,210	1,409	189	1,598
FOREST INDUSTRY WITHOUT MILL	2,108	2,007	174	2,180
FARMER AND MISCELLANEOUS PRIVATE	1,886	821	273	1,094
ALL OWNERSHIPS	2,848	14,162	1,937	16,099
	BOARD FEET PER ACRE	- - - - - MILLION BOARD FEET - - - - -		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE):				
NATIONAL FOREST	20,194	61,861	2,561	64,420
OTHER PUBLIC	11,976	1,447	61	1,509
FOREST INDUSTRY WITH MILL	9,978	6,868	345	7,214
FOREST INDUSTRY WITHOUT MILL	10,120	10,197	267	10,464
FARMER AND MISCELLANEOUS PRIVATE	8,028	4,085	571	4,656
ALL OWNERSHIPS	15,616	84,459	3,806	88,263
SAWTIMBER (SCRIBNER RULE):				
NATIONAL FOREST	18,578	56,917	2,344	59,265
OTHER PUBLIC	10,325	1,251	50	1,301
FOREST INDUSTRY WITH MILL	8,452	5,826	285	6,111
FOREST INDUSTRY WITHOUT MILL	8,669	8,745	219	8,964
FARMER AND MISCELLANEOUS PRIVATE	6,771	3,457	470	3,927
ALL OWNERSHIPS	14,078	76,196	3,369	79,569

1/Totals may be off because of rounding.

Table 9—Volume of growing stock and sawtimber on timberland by county and ownership class, northern interior resource area, California, January 1, 1985 [1/]

COUNTY	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			MILLION CUBIC FEET			
GROWING STOCK:						
LASSEN	799	57	185	288	62	1,391
MODOC	575	14	72	217	78	956
SHASTA	1,242	89	648	685	347	3,011
SISKIYOU	4,605	49	474	494	371	5,993
TRINITY	3,685	110	219	496	236	4,746
ALL COUNTIES	10,908	318	1,598	2,180	1,094	16,099
			MILLION BOARD FEET			
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE):						
LASSEN	4,769	273	837	1,321	255	7,455
MODOC	3,326	65	330	993	320	5,034
SHASTA	7,397	410	2,946	3,289	1,515	15,557
SISKIYOU	26,351	231	2,123	2,340	1,577	32,622
TRINITY	22,577	530	978	2,521	989	27,595
ALL COUNTIES	64,420	1,509	7,214	10,464	4,656	88,263
SAWTIMBER (SCRIBNER RULE):						
LASSEN	4,250	235	707	1,122	214	6,528
MODOC	2,975	56	279	842	268	4,420
SHASTA	6,727	352	2,505	2,820	1,281	13,685
SISKIYOU	24,269	199	1,792	2,002	1,328	29,590
TRINITY	21,044	459	828	2,178	836	25,345
ALL COUNTIES	59,265	1,301	6,111	8,964	3,927	79,569

1/Totals may be off because of rounding.

Table 10—Volume of growing stock on timberland by species and ownership class, northern interior resource area, California, January 1, 1985 1/

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			MILLION CUBIC FEET			
SOFTWOODS:						
DOUGLAS-FIR	3,906	180	366	491	248	5,191
PONDEROSA PINE	1,898	17	319	358	265	2,857
WHITE FIR	1,341	32	408	508	117	2,406
SUGAR PINE	785	6	100	127	18	1,036
INCENSE-CEDAR	491	2	119	210	63	885
JEFFREY PINE	370	30	30	104	103	637
CALIFORNIA RED FIR	516	1	7	45	--	568
SHASTA RED FIR	8	--	23	139	--	170
LODGEPOLE PINE	137	--	7	14	5	164
WESTERN WHITE PINE	67	--	--	8	--	75
MOUNTAIN HEMLOCK	71	--	--	1	--	72
KNOBCONE PINE	17	--	28	1	--	45
WESTERN JUNIPER	27	--	--	--	--	27
PORT-ORFORD-CEDAR	8	--	--	--	--	8
BREWER SPRUCE	7	--	--	--	--	7
WHITEBARK PINE	4	--	--	--	--	4
DIGGER PINE	1	--	2	1	--	4
PACIFIC YEW	3	--	--	--	--	3
GRAND FIR	--	--	--	--	1	1
WESTERN HEMLOCK	1	--	--	--	--	1
TOTAL	9,657	268	1,409	2,007	821	14,162
HARDWOODS:						
CALIFORNIA BLACK OAK	363	18	94	94	155	724
CANYON LIVE OAK	467	20	62	71	19	639
TANOAK	191	--	8	--	8	207
PACIFIC MADRONE	154	3	7	--	38	201
BIGLEAF MAPLE	30	4	6	4	11	56
OREGON WHITE OAK	10	3	10	4	29	56
GIANT CHINKAPIN	21	--	--	--	6	27
QUAKING ASPEN	11	--	--	--	--	11
WHITE ALDER	2/	1	4	1	--	7
CALIFORNIA-LAUREL	--	--	--	--	3	3
BUCKEYE	--	--	--	--	1	1
RED ALDER	--	--	--	--	1	1
EUCALYPTUS	1	--	--	--	--	1
VALLEY OAK	--	--	--	--	1	1
UNCLASSIFIED HARDWOODS	3	--	--	--	--	3
TOTAL	1,251	50	189	174	273	1,937
ALL SPECIES	10,908	318	1,598	2,180	1,094	16,099

-- = none found.

1/Totals may be off because of rounding.

2/Less than 500,000 cubic feet.

Table 11—Volume of sawtimber, International ¼-inch rule, on timberland by species and ownership class, northern interior resource area, California, January 1, 1985[1/]

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			MILLION BOARD FEET			
SOFTWOODS:						
DOUGLAS-FIR	25,294	991	1,928	2,589	1,228	32,030
PONDEROSA PINE	12,570	84	1,542	1,775	1,377	17,349
WHITE FIR	8,018	170	1,872	2,425	564	13,049
SUGAR PINE	5,650	35	569	752	101	7,107
INCENSE-CEDAR	2,944	6	523	1,025	272	4,770
JEFFREY PINE	2,416	161	126	509	516	3,729
CALIFORNIA RED FIR	3,145	--	36	241	--	3,422
SHASTA RED FIR	52	--	125	778	--	956
LODGEPOLE PINE	725	--	12	54	26	817
WESTERN WHITE PINE	438	--	--	39	--	477
MOUNTAIN HEMLOCK	464	--	--	6	--	470
KNOBCONE PINE	40	--	122	--	--	162
PORT-ORFORD-CEDAR	55	--	--	--	--	55
BREWER SPRUCE	42	--	--	--	--	42
DIGGER PINE	1	--	12	4	--	17
WESTERN HEMLOCK	6	--	--	--	--	6
TOTAL	61,861	1,447	6,868	10,197	4,085	84,459
HARDWOODS:						
CALIFORNIA BLACK OAK	1,015	30	208	161	284	1,697
CANYON LIVE OAK	405	22	94	94	29	644
TANOAK	660	--	13	--	32	706
PACIFIC MADRONE	467	--	12	--	116	595
BIGLEAF MAPLE	3	--	12	1	10	26
OREGON WHITE OAK	--	2	1	6	68	77
GIANT CHINKAPIN	8	--	--	--	14	22
WHITE ALDER	--	7	6	5	--	18
CALIFORNIA-LAUREL	--	--	--	--	7	7
RED ALDER	--	--	--	--	6	6
VALLEY OAK	--	--	--	--	4	4
TOTAL	2,561	61	345	267	571	3,806
ALL SPECIES	64,420	1,509	7,214	10,464	4,656	88,263

-- = none found.

1/Totals may be off because of rounding.

Table 12—Volume of sawtimber, Scribner rule, on timberland by species and ownership class, northern interior resource area, California, January 1, 1985[1/]

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
	MILLION BOARD FEET					
SOFTWOODS:						
DOUGLAS-FIR	24,112	869	1,660	2,250	1,043	29,934
PONDEROSA PINE	11,240	68	1,305	1,526	1,170	15,310
WHITE FIR	7,076	143	1,570	2,042	479	11,310
SUGAR PINE	5,156	30	493	664	87	6,430
INCENSE-CEDAR	2,671	5	436	872	225	4,209
JEFFREY PINE	2,192	135	104	425	433	3,288
CALIFORNIA RED FIR	2,883	--	30	207	--	3,120
SHASTA RED FIR	39	--	111	672	--	822
LODGEPOLE PINE	614	--	9	45	20	688
WESTERN WHITE PINE	388	--	--	33	--	421
MOUNTAIN HEMLOCK	412	--	--	5	--	417
KNOBCONE PINE	35	--	98	--	--	133
PORT-ORFORD-CEDAR	48	--	--	--	--	48
BREWER SPRUCE	38	--	--	--	--	38
DIGGER PINE	1	--	10	4	--	14
WESTERN HEMLOCK	5	--	--	--	--	5
TOTAL	56,910	1,251	5,826	8,745	3,457	76,187
HARDWOODS:						
CALIFORNIA BLACK OAK	938	24	173	133	235	1,503
CANYON LIVE OAK	375	18	75	76	24	568
TANOAK	637	--	11	--	27	675
PACIFIC MADRONE	393	--	11	--	96	500
BIGLEAF MAPLE	1	--	10	1	8	20
OREGON WHITE OAK	--	2	1	5	55	62
GIANT CHINKAPIN	1	--	--	--	12	13
WHITE ALDER	--	6	5	4	--	15
CALIFORNIA-LAUREL	--	--	--	--	6	6
RED ALDER	--	--	--	--	5	5
VALLEY OAK	--	--	--	--	3	3
TOTAL	2,344	50	285	219	470	3,369
ALL SPECIES	59,265	1,301	6,111	8,964	3,927	79,569

-- = none found.

1/Totals may be off because of rounding.

Table 13—Volume of growing stock on timberland by species and diameter class, northern interior resource area, California, January 1, 1985 1/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION CUBIC FEET										
SOFTWOODS:											
DOUGLAS-FIR	142	205	236	221	247	303	277	226	802	2,532	5,191
PONDEROSA PINE	85	144	159	168	188	233	221	207	772	681	2,857
WHITE FIR	103	132	170	180	185	212	195	156	505	566	2,406
SUGAR PINE	9	11	15	26	17	28	45	46	210	628	1,036
INCENSE-CEDAR	29	37	31	35	39	38	46	45	184	400	885
JEFFREY PINE	18	27	45	61	54	59	67	36	127	143	637
CALIFORNIA RED FIR	13	17	22	25	29	30	33	35	181	183	568
SHASTA RED FIR	2	1	1	6	5	7	11	10	77	50	170
LODGEPOLE PINE	10	19	20	27	21	20	14	9	18	5	164
WESTERN WHITE PINE	1	2	3	3	4	4	8	6	29	16	75
MOUNTAIN HEMLOCK	1	2	2	6	7	6	9	7	21	12	72
KNOBCONE PINE	4	4	9	8	4	6	5	2/	4	1	45
WESTERN JUNIPER	2	3	3	3	2	4	2	2	3	4	27
PORT-ORFORD-CEDAR	2/	2/	1	2/	2/	2/	2/	2/	1	5	8
BREWER SPRUCE	2/	2/	1	2/	2/	1	1	2/	1	1	7
WHITEBARK PINE	1	2	2	--	--	--	--	--	--	--	4
DIGGER PINE	2/	2/	2/	2/	2/	1	2/	1	1	--	4
PACIFIC YEW	1	1	1	--	--	--	--	--	--	--	3
GRAND FIR	--	1	--	--	--	--	--	--	--	--	1
WESTERN HEMLOCK	--	--	--	--	--	--	2/	2/	1	--	1
TOTAL	422	609	723	769	804	952	934	787	2,937	5,224	14,162
HARDWOODS:											
CALIFORNIA BLACK OAK	77	87	94	56	59	50	64	42	144	51	724
CANYON LIVE OAK	76	104	101	64	60	54	51	20	69	40	639
TANOAK	10	22	26	26	21	25	18	10	36	14	207
PACIFIC MADRONE	16	30	33	18	20	19	22	11	25	7	201
BIGLEAF MAPLE	7	10	15	4	5	2	4	2	7	--	56
OREGON WHITE OAK	4	7	7	8	7	9	10	2/	2	2	56
GIANT CHINKAPIN	1	1	4	3	4	3	2	4	5	--	27
QUAKING ASPEN	1	2	2	2/	1	1	1	1	4	2/	11
WHITE ALDER	1	1	--	--	--	2	--	1	2/	--	7
CALIFORNIA-LAUREL	--	1	--	1	--	--	--	2	--	--	3
BUCKEYE	1	--	--	--	--	--	--	--	--	--	1
RED ALDER	--	--	--	--	--	--	--	--	1	--	1
EUCALYPTUS	2/	2/	2/	--	--	--	--	--	--	--	1
VALLEY OAK	--	--	--	--	--	1	--	--	--	--	1
UNCLASSIFIED HARDWOODS	1	1	1	2/	2/	2/	2/	--	--	--	3
TOTAL	194	265	283	180	176	167	172	94	292	114	1,937
ALL SPECIES	616	874	1,006	950	979	1,121	1,106	881	3,229	5,338	16,099

-- = none found.

1/Totals may be off because of rounding.

2/Less than 500,000 cubic feet.

Table 14—Volume of sawtimber, International ¼-inch rule, on timberland by species and diameter class, northern interior resource area, California, January 1, 1985 1/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION BOARD FEET								
SOFTWOODS:									
DOUGLAS-FIR	1,397	1,318	1,540	1,906	1,747	1,472	5,380	17,266	32,030
PONDEROSA PINE	862	957	1,140	1,469	1,396	1,383	5,329	4,812	17,349
WHITE FIR	873	1,000	1,077	1,262	1,170	967	3,183	3,520	13,049
SUGAR PINE	80	136	105	174	283	302	1,451	4,574	7,107
INCENSE-CEDAR	154	170	201	204	252	262	1,097	2,424	4,770
JEFFREY PINE	242	340	322	363	405	215	821	1,016	3,729
CALIFORNIA RED FIR	147	158	173	179	197	223	1,159	1,184	3,422
SHASTA RED FIR	5	26	27	38	59	56	448	296	956
LODGEPOLE PINE	119	162	128	123	85	56	111	29	817
WESTERN WHITE PINE	14	20	26	24	50	39	196	105	477
MOUNTAIN HEMLOCK	16	38	44	42	55	45	147	82	470
KNOBCONE PINE	32	39	19	32	25	1	12	--	162
PORT-ORFORD-CEDAR	6	1	1	2	2	2	4	35	55
BREWER SPRUCE	5	3	3	8	8	2	6	7	42
DIGGER PINE	1	--	--	5	--	4	6	--	17
WESTERN HEMLOCK	--	--	--	--	1	2	4	--	6
TOTAL	3,952	4,368	4,806	5,832	5,735	5,031	19,355	35,350	84,455
HARDWOODS:									
CALIFORNIA BLACK OAK	--	187	177	168	231	174	576	182	1,697
CANYON LIVE OAK	--	99	89	66	105	33	131	117	644
TANOAK	--	100	93	122	87	44	185	75	706
PACIFIC MADRONE	--	67	88	94	112	61	144	29	595
BIGLEAF MAPLE	--	7	4	1	2	--	12	--	26
OREGON WHITE OAK	--	14	14	16	26	--	4	2	77
GIANT CHINKAPIN	--	1	5	1	--	8	5	--	22
WHITE ALDER	--	--	--	11	--	7	--	--	18
CALIFORNIA-LAUREL	--	2	--	--	--	6	--	--	7
RED ALDER	--	--	--	--	--	--	6	--	6
VALLEY OAK	--	--	--	4	--	--	--	--	4
TOTAL	--	476	474	483	561	333	1,066	406	3,806
ALL SPECIES	3,962	4,844	5,285	6,320	6,305	5,364	20,425	35,755	88,253

-- = none found.

1/Tables may be off because of rounding.

Table 15—Volume of sawtimber, Scribner rule, on timberland by species and diameter class, northern interior resource area, California, January 1, 1985[1/]

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION BOARD FEET								
SOFTWOODS:									
DOUGLAS-FIR	1,232	1,145	1,360	1,698	1,533	1,337	5,030	16,594	29,934
PONDEROSA PINE	717	795	966	1,264	1,190	1,217	4,790	4,364	15,310
WHITE FIR	713	830	905	1,069	999	837	2,815	3,142	11,310
SUGAR PINE	65	112	87	151	245	265	1,305	4,195	6,430
INCENSE-CEDAR	131	137	167	174	214	227	966	2,186	4,209
JEFFREY PINE	205	286	277	316	349	186	728	935	3,288
CALIFORNIA RED FIR	134	138	158	162	177	200	1,058	1,087	3,120
SHASTA RED FIR	3	21	21	31	49	47	389	260	822
LODGEPOLE PINE	101	134	107	105	72	46	93	25	688
WESTERN WHITE PINE	13	17	23	21	43	35	176	93	421
MOUNTAIN HEMLOCK	13	34	37	35	48	41	131	71	417
KNOBCONE PINE	25	31	16	28	22	1	11	--	133
PORT-ORFORD-CEDAR	5	1	1	1	2	2	4	32	48
BREWER SPRUCE	5	2	2	6	6	2	5	6	38
DIGGER PINE	--	--	--	4	--	4	6	--	13
WESTERN HEMLOCK	--	--	--	--	1	1	3	--	5
TOTAL	3,368	3,692	4,136	5,069	4,952	4,451	17,514	32,999	76,196
HARDWOODS:									
CALIFORNIA BLACK OAK	--	151	146	142	202	155	537	170	1,503
CANYON LIVE OAK	--	78	74	57	92	30	123	112	568
TANOAK	--	97	86	111	79	38	182	79	675
PACIFIC MADRONE	--	70	82	82	90	49	106	22	500
BIGLEAF MAPLE	--	5	2	--	1	--	10	--	20
OREGON WHITE OAK	--	11	11	13	22	--	3	2	62
GIANT CHINKAPIN	--	1	4	1	--	7	--	--	13
WHITE ALDER	--	--	--	9	--	6	--	--	15
CALIFORNIA-LAUREL	--	1	--	--	--	5	--	--	6
RED ALDER	--	--	--	--	--	--	5	--	5
VALLEY OAK	--	--	--	3	--	--	--	--	3
TOTAL	--	416	406	416	486	292	965	387	3,369
ALL SPECIES	3,368	4,107	4,542	5,487	5,440	4,745	18,482	33,391	79,569

-- = none found.

1/Totals may be off because of rounding.

Table 16—Gross annual growth of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, northern interior resource area, California, 1984 1/

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - THOUSAND CUBIC FEET - - - -		
GROWING STOCK:				
NATIONAL FOREST	57	142,300	40,700	183,000
OTHER PUBLIC	73	7,925	1,292	9,218
FOREST INDUSTRY WITH MILL	75	48,999	5,545	54,544
FOREST INDUSTRY WITHOUT MILL	62	59,391	4,420	63,811
FARMER AND MISCELLANEOUS PRIVATE	61	27,991	7,628	35,620
ALL OWNERSHIPS	61	286,606	59,586	346,192
	BOARD FEET PER ACRE	- - - - THOUSAND BOARD FEET - - - -		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE:				
NATIONAL FOREST	312	920,000	74,000	994,000
OTHER PUBLIC	408	50,279	1,150	51,429
FOREST INDUSTRY WITH MILL	397	277,274	9,437	286,711
FOREST INDUSTRY WITHOUT MILL	307	311,314	6,088	317,402
FARMER AND MISCELLANEOUS PRIVATE	292	152,013	17,476	169,489
ALL OWNERSHIPS	322	1,710,879	108,151	1,819,030
SAWTIMBER (SCRIBNER RULE):				
NATIONAL FOREST	292	861,000	70,000	931,000
OTHER PUBLIC	353	43,525	969	44,494
FOREST INDUSTRY WITH MILL	337	235,879	7,825	243,704
FOREST INDUSTRY WITHOUT MILL	266	269,445	5,118	274,563
FARMER AND MISCELLANEOUS PRIVATE	249	130,030	14,443	144,473
ALL OWNERSHIPS	290	1,539,878	98,356	1,638,234

1/Totals may be off because of rounding.

Table 17—Gross annual growth of growing stock on timberland by species and ownership class, northern interior resource area, California, 1984[1/]

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			THOUSAND CUBIC FEET			
SOFTWOODS:						
DOUGLAS-FIR	54,300	5,034	13,419	16,018	10,648	99,420
PONDEROSA PINE	33,100	565	9,545	9,909	7,493	60,611
WHITE FIR	23,500	1,199	17,421	19,213	4,383	65,716
SUGAR PINE	5,900	246	3,304	3,710	654	13,814
INCENSE-CEDAR	4,400	38	2,234	4,156	1,389	12,218
JEFFREY PINE	5,000	813	1,103	3,040	3,003	12,959
CALIFORNIA RED FIR	10,300	30	414	771	--	11,515
SHASTA RED FIR	--	--	406	1,966	--	2,372
LODGEPOLE PINE	3,400	--	238	416	166	4,220
WESTERN WHITE PINE	400	--	--	100	--	500
MOUNTAIN HEMLOCK	600	--	--	25	--	625
KNOBCONE PINE	300	--	862	54	227	1,442
WESTERN JUNIPER	300	--	--	--	--	300
PORT-ORFORD-CEDAR	100	--	--	--	--	100
BREWER SPRUCE	100	--	--	--	--	100
WHITEBARK PINE	100	--	--	--	--	100
DIGGER PINE	--	--	53	13	10	76
GRAND FIR	--	--	--	--	18	18
TOTAL	141,800	7,925	48,999	59,391	27,991	286,106
HARDWOODS:						
CALIFORNIA BLACK OAK	12,500	435	2,061	2,506	4,011	21,512
CANYON LIVE OAK	14,300	479	1,469	1,775	411	18,435
TANOAK	6,600	--	546	--	537	7,683
PACIFIC MADRONE	4,900	97	849	--	962	6,808
BIGLEAF MAPLE	1,100	149	201	46	691	2,186
OREGON WHITE OAK	400	122	240	50	678	1,490
GIANT CHINKAPIN	400	--	--	--	153	553
QUAKING ASPEN	400	--	--	--	--	400
WHITE ALDER	--	10	180	43	--	233
CALIFORNIA-LAUREL	--	--	--	--	105	105
BUCKEYE	--	--	--	--	36	36
RED ALDER	--	--	--	--	21	21
VALLEY OAK	--	--	--	--	23	23
UNCLASSIFIED HARDWOODS	100	--	--	--	--	100
TOTAL	40,700	1,292	5,545	4,420	7,628	59,586
ALL SPECIES	182,500	9,218	54,544	63,811	35,620	345,693

-- = none found.

1/Totals may be off because of rounding.

Table 18—Gross annual growth of sawtimber, International ¼-inch rule, on timberland by species and ownership class, northern interior resource area, California, 1984[1/]

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
	THOUSAND BOARD FEET					
SOFTWOODS:						
DOUGLAS-FIR	358,000	33,163	82,242	82,060	59,644	615,109
PONDEROSA PINE	220,000	3,036	49,647	50,386	42,122	365,190
WHITE FIR	137,000	7,378	98,031	104,266	23,205	369,880
SUGAR PINE	40,000	1,531	22,912	23,574	3,493	91,510
INCENSE-CEDAR	28,000	173	9,857	15,321	6,174	59,525
JEFFREY PINE	35,000	4,998	4,452	16,740	16,328	77,518
CALIFORNIA RED FIR	66,000	--	2,664	4,468	--	73,132
SHASTA RED FIR	--	--	2,164	12,216	--	14,380
LODGEPOLE PINE	20,000	--	410	1,554	1,046	23,010
WESTERN WHITE PINE	3,000	--	--	496	--	3,496
MOUNTAIN HEMLOCK	4,000	--	--	152	--	4,152
KNOBCONE PINE	1,000	--	4,560	--	--	5,560
PORT-ORFORD-CEDAR	1,000	--	--	--	--	1,000
BREWER SPRUCE	1,000	--	--	--	--	1,000
DIGGER PINE	--	--	335	82	--	417
TOTAL	914,000	50,279	277,274	311,314	152,013	1,704,879
HARDWOODS:						
CALIFORNIA BLACK OAK	27,000	569	6,449	3,309	8,214	45,540
CANYON LIVE OAK	10,000	446	1,997	2,440	2,466	17,349
TANOAK	22,000	--	393	--	1,155	23,548
PACIFIC MADRONE	14,000	--	242	--	2,774	17,016
BIGLEAF MAPLE	--	--	155	23	484	662
OREGON WHITE OAK	--	72	22	52	1,515	1,660
GIANT CHINKAPIN	--	--	--	--	393	393
WHITE ALDER	--	64	179	265	--	507
CALIFORNIA-LAUREL	--	--	--	--	275	275
RED ALDER	--	--	--	--	115	115
VALLEY OAK	--	--	--	--	85	85
TOTAL	73,000	1,150	9,437	6,088	17,476	107,151
ALL SPECIES	987,000	51,429	286,711	317,402	169,489	1,812,030

-- = none found.

1/Totals may be off because of rounding.

Table 19—Gross annual growth of sawtimber, Scribner rule, on timberland by species and ownership class, northern interior resource area, California, 1984 1/

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			THOUSAND BOARD FEET			
SOFTWOODS:						
DOUGLAS-FIR	351,000	28,699	70,222	72,728	51,001	573,650
PONDEROSA PINE	198,000	2,569	42,774	43,271	36,456	323,070
WHITE FIR	123,000	6,427	82,535	88,653	19,418	320,033
SUGAR PINE	38,000	1,327	19,607	20,910	3,092	82,936
INCENSE-CEDAR	27,000	144	8,286	12,912	5,183	53,525
JEFFREY PINE	33,000	4,357	3,797	14,051	14,002	69,208
CALIFORNIA RED FIR	62,000	--	2,307	3,960	--	68,268
SHASTA RED FIR	--	--	1,913	11,009	--	12,922
LODGEPOLE PINE	15,000	--	339	1,332	878	17,548
WESTERN WHITE PINE	2,000	--	--	421	--	2,421
MOUNTAIN HEMLOCK	4,000	--	--	128	--	4,128
KNOBCONE PINE	1,000	--	3,806	--	--	4,806
PORT-ORFORD-CEDAR	1,000	--	--	--	--	1,000
BREWER SPRUCE	1,000	--	--	--	--	1,000
DIGGER PINE	--	--	293	70	--	363
TOTAL	856,000	43,525	235,879	269,445	130,030	1,534,878
HARDWOODS:						
CALIFORNIA BLACK OAK	24,000	479	5,280	2,830	6,734	39,323
CANYON LIVE OAK	10,000	375	1,662	2,003	1,877	15,917
TANOAK	21,000	--	344	--	1,001	22,346
PACIFIC MADRONE	12,000	--	229	--	2,406	14,634
BIGLEAF MAPLE	--	--	140	18	393	551
OREGON WHITE OAK	--	58	18	42	1,276	1,394
GIANT CHINKAPIN	--	--	--	--	343	343
WHITE ALDER	--	58	152	224	--	434
CALIFORNIA-LAUREL	--	--	--	--	237	237
RED ALDER	--	--	--	--	105	105
VALLEY OAK	--	--	--	--	72	72
TOTAL	67,000	969	7,825	5,118	14,443	95,356
ALL SPECIES	923,000	44,494	243,704	274,563	144,473	1,630,234

-- = none found.

1/Totals may be off because of rounding.

Table 20—Average annual mortality of growing stock on timberland by species and ownership class, northern interior resource area, California, 1984 [1/]

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
	THOUSAND CUBIC FEET					
SOFTWOODS:						
DOUGLAS-FIR	20,500	1,010	1,518	1,993	1,160	26,182
PONDEROSA PINE	6,200	73	1,649	1,670	1,091	10,683
WHITE FIR	5,300	174	2,308	2,869	655	11,305
SUGAR PINE	2,800	33	568	707	100	4,209
INCENSE-CEDAR	300	5	382	605	212	1,503
JEFFREY PINE	1,800	95	73	162	226	2,355
CALIFORNIA RED FIR	2,100	3	36	253	--	2,392
SHASTA RED FIR	--	--	131	792	--	923
LODGEPOLE PINE	1,300	--	39	78	28	1,445
WESTERN WHITE PINE	--	--	--	43	--	43
MOUNTAIN HEMLOCK	--	--	--	1	--	1
KNOBCONE PINE	--	--	102	--	1	103
DIGGER PINE	--	--	19	2	4	25
GRAND FIR	--	--	--	--	3	3
TOTAL	40,300	1,394	6,823	9,175	3,479	61,172
HARDWOODS:						
CALIFORNIA BLACK OAK	900	47	295	242	388	1,871
CANYON LIVE OAK	700	42	163	186	35	1,126
TANOAK	700	--	14	--	19	734
PACIFIC MADRONE	300	9	17	--	99	425
BIGLEAF MAPLE	--	14	10	10	21	55
OREGON WHITE OAK	--	5	27	12	107	150
GIANT CHINKAPIN	--	--	--	--	13	13
WHITE ALDER	--	4	12	2	--	18
CALIFORNIA-LAUREL	--	--	--	--	5	5
BUCKEYE	--	--	--	--	1	1
RED ALDER	--	--	--	--	2	2
VALLEY OAK	--	--	--	--	2	2
TOTAL	2,600	121	537	451	692	4,402
ALL SPECIES	42,900	1,515	7,360	9,626	4,171	65,574

-- = none found.

1/Totals may be off because of rounding.

Table 21—Average annual mortality of sawtimber, International ¼-inch rule, on timberland by species and ownership class, northern interior resource area, California, 1984 [1/]

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
			THOUSAND BOARD FEET			
SOFTWOODS:						
DOUGLAS-FIR	136,000	4,262	7,231	10,191	5,440	163,123
PONDEROSA PINE	42,000	317	5,268	4,250	3,457	55,292
WHITE FIR	35,000	927	10,324	13,400	3,070	62,721
SUGAR PINE	20,000	191	3,214	4,142	548	28,095
INCENSE-CEDAR	2,000	5	1,457	2,894	850	7,206
JEFFREY PINE	13,000	338	303	787	921	15,349
CALIFORNIA RED FIR	15,000	—	198	1,350	--	16,549
SHASTA RED FIR	—	--	681	4,369	--	5,050
LODGEPOLE PINE	6,000	--	66	295	140	6,502
WESTERN WHITE PINE	--	--	--	214	--	214
MOUNTAIN HEMLOCK	--	--	--	3	--	3
KNOBCONE PINE	--	--	451	--	--	451
DIGGER PINE	--	--	104	12	--	116
TOTAL	269,000	6,040	29,297	41,906	14,426	360,669
HARDWOODS:						
CALIFORNIA BLACK OAK	5,000	82	701	432	730	6,945
CANYON LIVE OAK	1,000	41	245	273	60	1,619
TANOAK	--	--	27	--	72	99
PACIFIC MADRONE	--	--	41	--	320	360
BIGLEAF MAPLE	--	--	18	2	22	42
OREGON WHITE OAK	--	3	1	17	244	266
GIANT CHINKAPIN	--	--	--	--	24	24
WHITE ALDER	--	25	20	8	--	53
CALIFORNIA-LAUREL	--	--	--	--	11	11
RED ALDER	--	--	--	--	9	9
VALLEY OAK	--	--	--	--	6	6
TOTAL	6,000	150	1,054	733	1,499	9,436
ALL SPECIES	275,000	6,190	30,351	42,639	15,925	370,105

-- = none found.

1/Totals may be off because of rounding.

Table 22—Average annual mortality of sawtimber, Scribner rule, on timberland by species and ownership class, northern interior resource area, California, 1984 1/

SPECIES	NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
			WITH MILLS	WITHOUT MILLS		
	THOUSAND BOARD FEET					
SOFTWOODS:						
DOUGLAS-FIR	129,000	3,709	6,149	8,794	4,578	152,230
PONDEROSA PINE	37,000	249	4,331	3,411	2,794	47,785
WHITE FIR	31,000	778	8,655	11,278	2,603	54,314
SUGAR PINE	18,000	165	2,773	3,654	475	25,068
INCENSE-CEDAR	1,000	4	1,214	2,468	701	5,387
JEFFREY PINE	12,000	278	261	655	768	13,962
CALIFORNIA RED FIR	14,000	--	164	1,160	--	15,323
SHASTA RED FIR	--	--	602	3,761	--	4,363
LODGEPOLE PINE	4,000	--	51	243	109	4,404
WESTERN WHITE PINE	--	--	--	181	--	181
MOUNTAIN HEMLOCK	--	--	--	2	--	2
KNOBCONE PINE	--	--	363	--	--	363
DIGGER PINE	--	--	87	10	--	97
TOTAL	246,000	5,183	24,650	35,619	12,028	323,479
HARDWOODS:						
CALIFORNIA BLACK OAK	5,000	67	587	358	607	6,619
CANYON LIVE OAK	1,000	33	197	222	49	1,501
TANOAK	--	--	22	--	59	82
PACIFIC MADRONE	--	--	36	--	264	301
BIGLEAF MAPLE	--	--	16	2	17	34
OREGON WHITE OAK	--	2	1	14	195	213
GIANT CHINKAPIN	--	--	--	--	20	20
WHITE ALDER	--	21	16	7	--	44
CALIFORNIA-LAUREL	--	--	--	--	9	9
RED ALDER	--	--	--	--	8	8
VALLEY OAK	--	--	--	--	5	5
TOTAL	6,000	124	875	603	1,234	8,836
ALL SPECIES	252,000	5,307	25,525	36,221	13,262	332,315

-- = none found.

1/Totals may be off because of rounding.

Table 23—Timber harvest by county, northern interior resource area, California, 1948-84 1/

YEAR	LASSEN	MODOC	SISKIYOU	SHASTA	TRINITY	TOTAL
			THOUSAND BOARD FEET, LOCAL SCALE			
1948	360,959	209,920	257,399	291,746	132,850	1,252,874
1949	399,598	172,087	217,007	236,798	101,011	1,126,501
1950	229,952	222,636	221,332	266,240	105,115	1,045,275
1951	313,604	191,437	373,888	284,348	144,917	1,308,194
1952	167,224	155,082	296,864	330,142	214,271	1,163,583
1953	196,168	86,172	486,669	380,073	319,398	1,468,480
1954	241,752	70,040	347,483	425,187	252,061	1,336,523
1955	256,759	46,670	418,544	377,728	296,893	1,396,594
1956	169,185	73,512	412,056	469,317	266,406	1,390,476
1957	150,346	31,543	432,829	439,564	351,217	1,405,499
1958	54,261	40,711	537,573	389,440	347,985	1,369,970
1959	144,567	50,880	441,717	379,698	439,222	1,456,084
1960	98,182	42,296	552,685	315,325	305,842	1,314,330
1961	121,131	59,555	455,289	337,175	377,191	1,350,341
1962	126,662	60,301	568,926	410,145	369,601	1,535,635
1963	78,907	54,672	442,171	605,642	369,541	1,550,933
1964	134,313	48,463	530,721	494,411	317,742	1,525,650
1965	129,557	54,624	503,896	490,584	265,070	1,443,731
1966	110,974	91,762	421,560	465,472	220,058	1,309,826
1967	74,171	78,948	441,213	581,198	243,282	1,418,812
1968	88,559	85,171	459,238	582,723	255,647	1,471,338
1969	91,220	75,956	411,089	516,692	248,348	1,343,305
1970	81,384	99,371	401,951	469,350	214,637	1,266,693
1971	135,850	80,325	402,329	480,084	199,811	1,298,399
1972	97,800	98,803	405,883	463,624	244,332	1,310,442
1973	119,671	95,883	401,546	462,213	235,035	1,314,348
1974	109,139	134,714	371,171	425,164	237,629	1,277,817
1975	112,309	80,915	330,431	395,444	184,248	1,103,347
1976	123,320	98,289	451,547	364,431	255,032	1,292,619
1977	172,828	81,649	458,052	479,608	217,824	1,409,961
1978:						
Private	77,736	47,414	261,479	262,703	91,940	741,301
Public	65,676	94,584	298,818	80,111	127,483	666,672
Total	143,412	141,998	560,297	342,814	219,423	1,407,973
1979:						
Private	48,130	44,595	224,079	203,118	96,784	616,706
Public	50,706	56,706	288,770	44,935	148,218	589,335
Total	98,836	101,301	512,849	248,053	244,002	1,206,041
1980:						
Private	17,188	36,590	187,921	108,891	75,922	426,512
Public	71,773	48,388	262,627	55,104	76,159	514,051
Total	88,961	84,978	450,548	163,995	152,081	940,563
1981:						
Private	14,466	5,900	187,409	136,667	88,727	433,169
Public	38,431	36,258	132,704	35,055	74,026	316,474
Total	52,897	42,158	320,113	171,722	162,753	749,643
1982:						
Private	16,189	12,009	115,069	124,553	97,214	365,034
Public	55,566	17,732	106,021	22,780	64,852	266,951
Total	71,755	29,741	221,090	147,333	162,066	631,985
1983:						
Private	16,451	7,470	189,124	167,588	47,351	427,984
Public	101,946	36,021	158,553	99,467	166,181	562,168
Total	118,397	43,491	347,677	267,055	213,532	990,152
1984:						
Private	25,477	14,726	250,895	169,043	94,755	554,896
Public	69,793	31,630	215,168	90,485	127,377	534,453
Total	95,270	46,356	466,063	259,528	222,132	1,089,349

1/Various log rules were used in California; no attempt was made to convert the data to a common base; however, the majority of timber industry companies in the northern interior resource area use the short-log Scribner rule.

Source: 1948-77 "Production of California Timber Operators," State Forest Notes published annually by the California Department of Forestry. 1978-84 "California Timber Harvest by County," Annual Report prepared by the California State Board of Equalization, Timber Tax Division.

Acknowledgments

The gathering and preparation of the timber resource information in this report has been an extensive process requiring the cooperation of several agencies and individuals.

The Intermountain, Pacific Southwest, and Pacific Northwest Regions of the USDA Forest Service supplied inventory data for National Forest lands. Other cooperators were the California Department of Forestry; the California state offices of the Soil Conservation Service; the Pacific Southwest Experiment Station, USDA Forest Service; the University of California Cooperative Extension Service; and the California Forest Protective Association. Other public agencies and many private landowners cooperated by permitting forest inventory crews to enter lands to collect data. County tax assessors furnished ownership information on lands outside National Forests.

Inventory prepared by: Forest Inventory and Analysis project of the Pacific Northwest Research Station—John Poppino, Project Leader; Tom Farrenkopf, Data Compilation Supervisor; and Dale Baer, Data Collection Supervisor.

Field data collection by: Craig Anderson, Hal Arbogast, Richard Buckner, Jane Corazza, Glenda Goodwyne, Bruce Hiserote, Jeff Jenkins, David Kimmett, Jeannie Kitayama, J.D. Lloyd, Kelly Malone, Steve McDuffie, Neil McKay, Bob McMahon, Judy Mikowski, Jim Morrill, Liam O'Callaghan, Janet Ohmann, Carroll Speich, and Tom Woods.

Office compilation by: Patricia Bassett, Fusako Ikeda, Joni Jacobs, Florence Jentzsch, Colin MacLean, Adella Mason, Katharine McDuffie, Mary Mei, Brenda Meyer, Carolyn Pottorff, Juli Sinclair, Debra Warren, and Susan Weaver.

Metric Equivalents

1,000 acres = 404.7 hectares
1,000 cubic feet = 28.3 cubic meters
1 cubic foot per acre = 0.07 cubic meters per hectare
1 inch = 2.54 centimeters
1 foot = 30.48 centimeters
1 mile = 1 609.3 meters

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Little, Elbert L., Jr. Checklist of United States trees (native and naturalized). Agric. Handb. 541. Washington, DC: U.S. Department of Agriculture; **1978.** 375 p.

Colclasure, Perry; Moen, Joel; Bolsinger, Charles L. Timber resource statistics of the northern interior resource area of California. Resour. Bull. PNW-135. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; **1986.** 32 p.

This report is one of five that provide timber resource statistics for 57 of the 58 counties in California (San Francisco is excluded). This report presents statistics from a 1981-84 inventory of the timber resources of Lassen, Modoc, Shasta, Siskiyou, and Trinity Counties. Tables presented are of forest area and of timber volume, growth, and mortality.

Timberland area is an estimated 5.7 million acres, 40 percent of the total land area. Total growing stock volume is 16 billion cubic feet. The northern interior resource area contains 14 percent of the State's total land area, 35 percent of the timberland, and 29 percent of the growing stock volume.

Keywords: Forest surveys, statistics (forest), timber resources, resources (forest), California.

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives — as directed by Congress — to provide increasingly greater service to a growing Nation.

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319 S.W. Pine St.
P.O. Box 3890
Portland, Oregon 97208

U.S. Department of Agriculture
Pacific Northwest Research Station
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June 1986

Multiresource Forest Statistics for Molokai, Hawaii

Michael G. Buck, Patrick G. Costales, and Katharine McDuffie

Authors

MICHAEL G. BUCK and PATRICK G. COSTALES are resource evaluation foresters with the Hawaii Division of Forestry and Wildlife in Honolulu, Hawaii. KATHARINE MCDUFFIE is a computer programmer/analyst at the Pacific Northwest Research Station, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

Abstract

Buck, Michael G.; Costales, Patrick G.; McDuffie, Katharine. Multiresource forest statistics for Molokai, Hawaii. Resour. Bull. PNW-136. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 18 p.

This report summarizes a 1983 multiresource forest inventory of the island of Molokai, Hawaii. Tables of forest area, timber volume, vegetation type, ownership, land class, and wildlife are presented.

Keywords: Forest surveys, multiresource inventory, statistics (forests), Hawaii.

Preface

Forest Inventory and Analysis is a nationwide project of the Forest Service, U.S. Department of Agriculture, authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service Research Stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for inventories in Alaska, California, Hawaii, Oregon, Washington, and the western Pacific.

Summary

The island of Molokai, Hawaii, totals 163,211 acres, of which an estimated 57,598 acres are forested--23,494 acres classified as timberland and 34,104 acres as other forest land. Previous inventories show an additional estimated growing-stock volume of 4.2 million cubic feet on forest plantations, and an estimated total volume of 5.5 million cubic feet of a fuel-producing species growing on other forest land. Erosion occurs on only 7 percent of the island, the majority (85 percent) outside the forest reserve. Although conditions were less than optimal for the observation of wildlife, various species of birds and evidence of mammals were seen. The ratio of alien to native birds was about 8:1. The native ecosystem continues to be affected by the invasion of introduced plants and animals. Fire is becoming a major threat in vegetation type conversion.

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Introduction

Resource information about Hawaii's forests is greatly needed. Only on a factual basis can plans be effectively made for proper management of these important lands. The increasing awareness and demands on our natural resources point out the need and value of effective resource information for planning and management locally, regionally, and nationally.

Earlier forest inventory work in Hawaii emphasized the collection of timber-volume data. This is reflected in the first inventory of Hawaii's forest resources, which was conducted in 1958-61 as a cooperative arrangement between the State of Hawaii and the Forest Service, U.S. Department of Agriculture. The results were published in the report "Forest Resources of Hawaii - 1961" (Nelson and Wheeler 1963). A second cooperative inventory was carried out between 1969 and 1971, and its results were published in the report "Hawaii's Timber Resources - 1970" (Metcalf and others 1978). This report provided a new assessment of the forest resource as well as important information on forest growth and mortality.

In addition, two inventories of Hawaii's planted forests were done (fig. 1). From 1965 to 1967, the two cooperating agencies made detailed inventories of the forest plantations and published the results (Wong and others 1968). In 1977, under the State of Hawaii Biomass Energy Tree Farm Program, an inventory was conducted of the younger forest plantations established in the 1960's and 1970's, and results were published in the report "Forest Plantation Survey - Biomass Energy Tree Farm Program" (State of Hawaii 1984). Most of the information on planted forests in this report is from these earlier inventories.

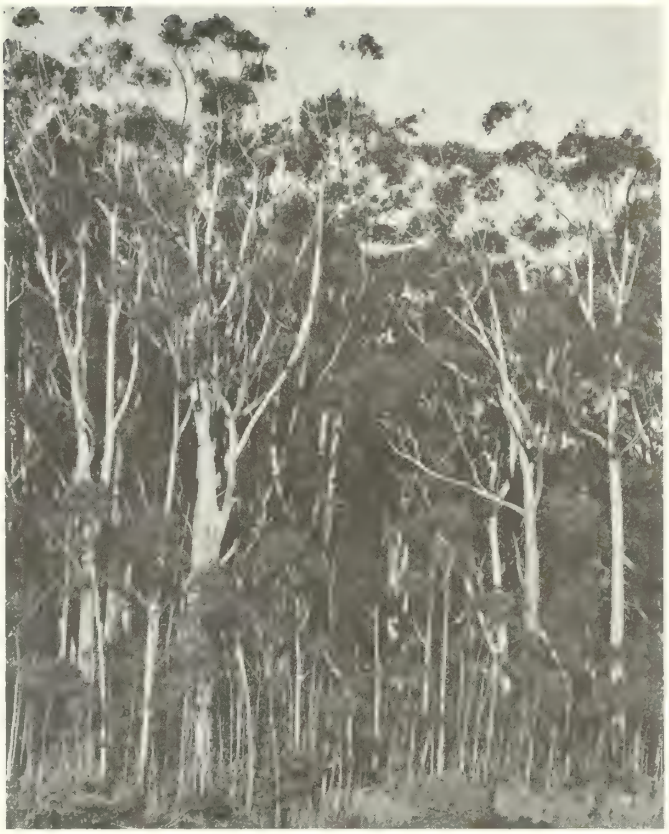

Figure 1--Mature 45-year-old *Eucalyptus saligna* plantation in the Molokai Forest Reserve.

Forest resource inventories within what was then called the Hawaii Division of Forestry emphasized the acquisition of timber volume data. Recent reevaluations, prompted by more comprehensive planning and assessment needs, have given rise to a multiresource inventory perspective.

Multiresource inventory is a relatively new concept in which collection of field data is designed to encompass the needs of as many disciplines as possible. It optimizes fieldwork and standardizes data collection, thereby facilitating transfer and use of information between disciplines.

The Resource Evaluation Section of the Hawaii Division of Forestry and Wildlife conducted a program evaluation in early 1981 which identified the mandates for resource data gathering, the present amount of compliance with those mandates, and recommendations for future programs. A key recommendation that was implemented was a thorough determination of the current inventory needs of the Division of Forestry and Wildlife. A list of these needs was incorporated into a study plan, and work was begun with preliminary technical assistance from the Forest Service's Pacific Northwest Research Station on an actual multiresource inventory design. The new design was necessary to incorporate existing timber volume data elements and new biomass requirements with other multiresource data elements.

Based on this framework, a cooperative agreement between the Hawaii Division of Forestry and Wildlife and the USDA Forest Service was formalized. Although the scope of the work under the agreement--Molokai Island -did not allow total acquisition of statewide resource information, it provided a mechanism for testing inventory procedures and developing report formats.

The island of Molokai was selected for the pilot study because of renewed public interest in energy self-sufficiency, manageable size, and diversity of land classes (fig. 2).1/

The Molokai fieldwork was completed in 1983, and the results of the inventory are presented in this report.

1/ See "Terminology" for definitions of terms used in this report.

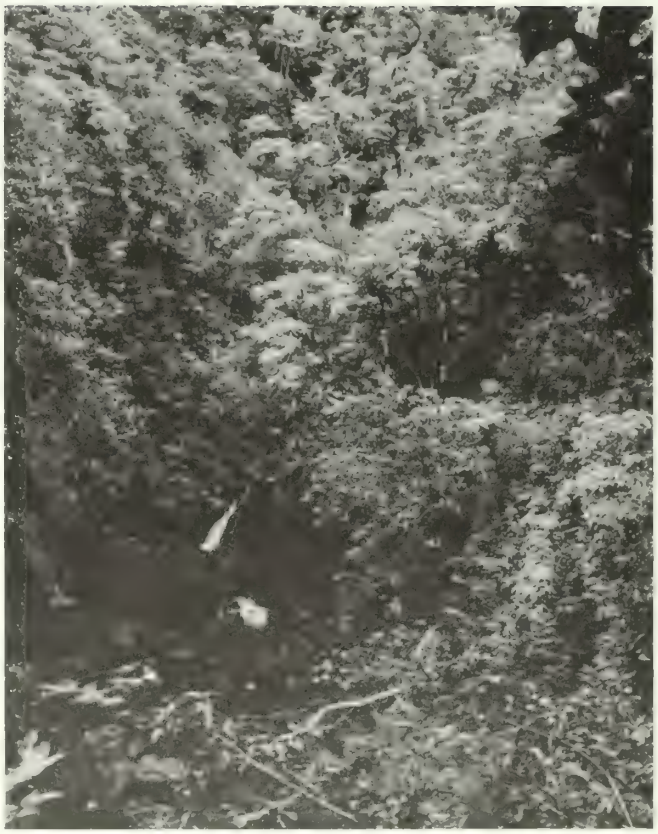

Figure 2--An example of the diverse vegetation types found in a stream bottom in Pelekunu Valley on Molokai's north shore. Many stream sites were used for taro cultivation by the Hawaiians and are now covered by kukui and guava forests.

Inventory Procedures

The survey design combines information from both aerial photo points and ground field plots in a double sampling procedure. A total of 855 sample points spread out over the island were analyzed from aerial photographs taken in 1977. A total of 11 categories, which included ownership, land class, vegetation type, and zoning, were recorded for each photo point. The area estimated (tables 1-4) for a given category is proportional to the number of photo sample points in that category.

Of the 855 points, 67 were selected as ground field plots throughout the island. These field plots provided a secondary sample for the inventory and ground checks for the photo interpretation. Additionally, on the field plots, a variety of data elements--ground type class, tree characteristics, measurements for computing timber volume, vegetation profiles, impact of noxious vectors, and wildlife observations--were collected.

Each field plot was carefully located and permanently referenced on the ground so that it can be located and remeasured in subsequent inventories. Each plot consisted of an array of subplots, depending on the "land class" of the sampled plot; for example, "timberland" plots had seven subplots, "other forest land" plots had five subplots. These measurements will provide valuable trend information as well as tree growth and mortality data.

Data gathering procedures are detailed in the "Field Manual: Multi-Resource Forest Inventory" (Costales and Buck 1983). The system of data acquisition was designed to provide the maximum amount of pertinent resource information while remaining economically feasible. Another key concern was the development of techniques that could be repeated in subsequent inventories. A volumetric system for measuring tropical trees was developed that allowed for a variety of product outputs. This system was rigorously field tested in the first inventory of Micronesia's forest lands, which used similar methods. In addition, the inventory supported studies such as a new localized system for recognizing standard vegetation types (Buck and Paysen 1984), which standardized data collection and enhanced compilation of information on vegetation types.

Observations

The findings of the multiresource inventory of Molokai are presented in tables 1-12. Tables 1-3 are derived from the 855 photo points which were the primary sample of this inventory. Minor differences within and between tables are attributed to rounding errors. The following discussion selects highlights from these tables and provides perspective by indicating their meaning in relative terms.

Ownership, Forest Reserves, and Vegetation Types

The island of Molokai comprises about 163,211 acres, of which 71 percent is privately owned (table 1). Public ownership is almost equally divided between the State of Hawaii and Hawaiian Home Lands. About 27 percent of the island is in forest reserve status, and almost 60 percent of this land is privately owned.

The two major forest vegetation types on Molokai are kiawe (see "Names of Plants" for scientific names) and 'ohi'a-lehua, each comprising about 33,000 acres (table 2). More than 83 percent of the kiawe and about 65 percent of the 'ohi'a acreage are under private ownership. Almost 70 percent of the forest reserve land on Molokai is comprised of the 'ohi'a vegetation type (table 3). Guava and kukui occupy about 20 percent of the remaining forest reserve lands.

Land Classes

The 1983 field plots were a subsample of the 855 photo points examined on 1977 aerial photographs. Field visits to these points revealed that some of the photoclassifications were in error, either because of real changes in land use since 1977 or because of interpretation error (table 5). Area adjustments based on these field visits resulted in a 91.3-percent increase in the estimated area of grassland and a 67.8-percent reduction in the area of cultivated land. Although some of these differences may be a result of photo interpretation error, real change since 1977 is likely, in view of a reported decline in cultivation.

Timberland is the potential base for producing sustainable forest products; based on the 1983 ground sample, it constitutes just 14 percent (23,494 acres) of the island.

Volumetric Information

Timberland: Native and Naturalized Forests--Total tree volume on timberland on Molokai is estimated at 15.8 million cubic feet (table 6). About 74 percent of this volume is in poletimber trees. Sawtimber trees make up 21 percent of the total volume, and tree fern contributes the remaining 5 percent. Only 17 percent of the sawtimber volume is of saw-log quality.

'Ohi'a-lehua makes up 74 percent of the total tree volume on Molokai timberland (Table 7). About 83 percent of this 'ohi'a volume is in trees less than 11.0 inches in diameter. Christmas berry and guava each constitute about 7 percent of the total volume and 'olapa about 6 percent.

'Ohi'a-lehua constitutes the entire saw-log volume on Molokai timberland, about 1.5 million board feet.

The estimated total number of trees on Molokai timberland is more than 21 million (table 8). 'Ohi'a-lehua is the most abundant species with just under 8 million trees, 63 percent of which are between 1.0 and 5.0 inches in diameter. Guava is next with more than 7 million trees, 84 percent of which are less than 2.9 inches in diameter.

Forest Plantations--Molokai has 2,411 acres of established forest plantations, 72 percent of which are located in the forest reserve (table 9). The most common species planted are eucalypts (1,159 acres, 48 percent) and pine (756 acres, 31 percent). About 47 percent of the forest plantations are State owned, 42 percent are privately owned, and the remaining 11 percent are owned by the Department of Hawaiian Home Lands.

Forest plantations on Molokai contain more than 15 million board feet of sawtimber, 83 percent of which are eucalypt species (table 10). This sawtimber volume is equally divided between the State and private owners. Molokai has more than 4.2 million cubic feet of growing stock in its forest plantations. Eucalypts constitute 3.3 million cubic feet of this total, about 80 percent being *Eucalyptus robusta*.

Other Forest Land--Because of the interest in energy self-sufficiency in Hawaii, interest in forest-volume data on lands other than timberland has increased. This is especially true of the kiawe resource on Molokai (fig. 3). The design of this multiresource inventory did not adequately sample volume on these lesser stocked other forest lands. A separate, more intensive inventory for the kiawe resource showed an estimated 5.5 million cubic feet on 12,100 acres classified as other forest land.

Figure 3--Typical kiawe vegetation found on the other forest land class in western Molokai. Kiawe wood is valuable for biomass and charcoal, its pods are valuable for cattle fodder and its flowers for honey. Introduced in 1828, it has naturalized successfully on the drier sites on all the main Hawaiian Islands.

Other Forest Resources

Watershed--The protection of Hawaii's watersheds is the primary mandate and reason for the existence of the Division of Forestry and Wildlife (fig. 4). One data element that can be measured to reflect the quality of the watershed is the presence or absence of erosion.

Figure 4--The most valuable economic resource of the Hawaiian forest is water. This stream bottom is protected by the kukui, named for the multiplicity of its uses to the ancient Hawaiians for light, fuel, medicine, dye, and ornaments. Its light green foliage graces the stream bottoms and ravines throughout the Hawaiian chain.

Our photographic sample indicated that an estimated 11,500 acres on Molokai, about 7 percent of the island, have moderate to severe erosion. About 85 percent of this eroded land is outside the forest reserve.

Wildlife--Although the time of year (end of July to mid-October) was not optimal (nonbreeding season, lower incidence of avian singing) and often less-than-optimal conditions existed (late in the day or windy), 10-minute bird counts were conducted on 24 ground plots (table 11). Birds were absent on 2 of the 24 plots. Where birds were recorded, 14 species were counted; of these, 3 species were native forest birds, 4 species were introduced game birds, and the remaining 7 species were introduced songbirds.

Of 112 individual birds counted, 11 percent were native forest birds, 80 percent were introduced song birds, and 9 percent were introduced game birds.

Although no mammals were seen or heard on the plots, the presence of several species was inferred from evidence noted enroute to or at the plots. The mammals and observed bird species are listed under "Names of Animals" on page 17.

Table 12 relates bird species counted to forest type and elevation. Of the 24 plots where 10-minute bird counts were conducted, 6 were in 'ohi'a forests, 7 in kiawe forests, 3 in koa/haole, 3 in Christmas berry, 2 in grass, and 1 each in pukiawe, strawberry guava, and guava.

Native forest birds were detected at only three of the six 'ohi'a forest plots; all were above 3,100 feet in elevation. The other three 'ohi'a plots were below 1,968 feet in elevation.

The most common bird detected was the Japanese white-eye, found on 21 plots in every type of vegetation sampled from 60- to 3,310-foot elevation. Of the 14 game birds counted on 10 plots, only 1 (a black francolin) was counted above 1,000 feet.

Statistical procedures were not applied to the data because of insufficient sample sizes in each vegetation type. Also, environmental and logistic variables, such as time of year, time of day, weather, and amount of time spent at each plot, were not compensated for. These variables are known to have profound effects on estimates of animal density and occurrence.

Native Ecosystems--The Hawaiian forest contains flora and fauna found nowhere else in the world (fig. 5), but the introduction of exotic species threatens these unique communities. Because one of the objectives of this inventory was to identify and monitor areas with intact native ecosystems, field observations of the presence and extent of introduced species of plants were taken, and the depredations of axis deer and feral pigs, cats, and goats were noted. When noxious weeds with a propensity to replace native vegetation were found within the plot area, their location was mapped.

Introduced plant species were found on more than 90 percent of the subplot locations. Only two plots--both in the 'ohi'a-lehua vegetation type--had subplots free of introduced species. Animal impact was noted on more than half the subplots, and more than 90 percent of the impact was attributed to feral pigs or axis deer. The impact of pigs was recorded in the 'ohi'a-lehua vegetation type in the central mountains as well as in the mountainous grasslands of eastern Molokai. Impact of deer was found everywhere except in the wet 'ohi'a-lehua forests of central Molokai (fig. 6).

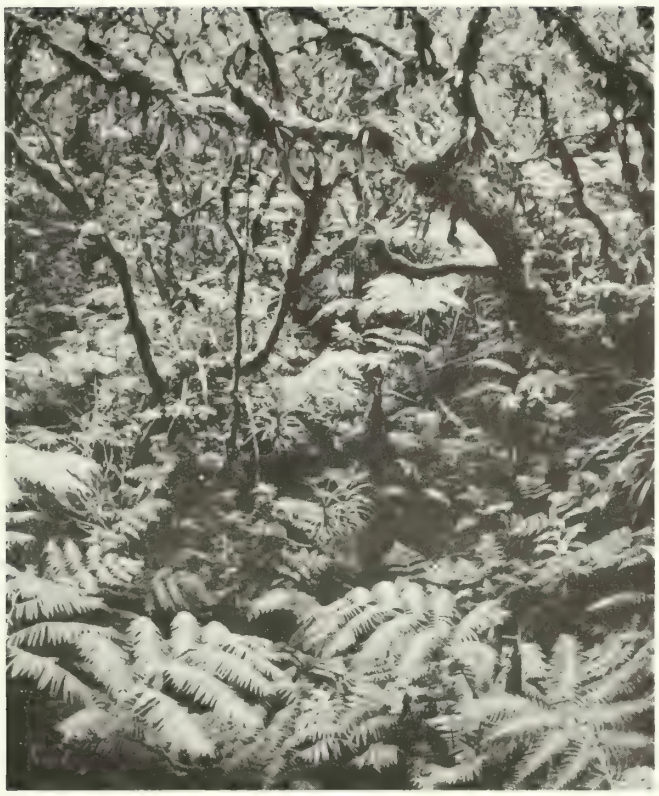

Figure 5--The beauty and elegance of an undisturbed Hawaiian montane forest. These forests are the habitat for many of Hawaii's endemic flora and fauna.

Figure 6--Former native forest land in central Molokai is maintained in grassland by introduced animals such as the axis deer and the feral pig.

Discussion

Although many statistics are presented in this report, general observations and comments by the field personnel cannot be presented in table format. One shared observation was the extent to which the native flora has been altered on Molokai. On eastern Molokai, feral herbivores such as cattle and deer have turned former 'ohi'a-lehua forests into grassland, and native plants are found only in steep gulches and ravines. Fires have also transformed many forest areas into flammable grasslands, which are now prone to burn again. Feral pigs are having an impact on the remaining native 'ohi'a forests in central Molokai.

Our data indicate that the forest plantations on Molokai produce about three times more volume per acre than either the ʻohi'a or kiawe forests. They also produce this higher volume in a much shorter time. As Molokai considers biomass in the form of wood fiber in its drive for energy self-sufficiency, this existing resource should be seriously considered.

Large amounts of data collected are not presented in this report. Some are used to correlate habitat variables such as vegetation type, elevation, and wildlife occurrence. All the data have been stored in a computer data base so they can be recalled in different formats and combinations on request. An example of such a request is the number of acres of State-owned 'ohi'a forest above 3,000 feet in elevation that is in a protected conservation zone.

The inventory data also provide a baseline or starting point to monitor changes and trends in land use, forest growth and mortality, and native ecosystems. Substantial efforts were made to ensure that all photo and ground plots are permanently referenced so they can be easily relocated. A field manual that documents all inventory procedures has been prepared to ensure accurate remeasurement of data.

Reliability of Inventory Data

Confidence intervals have been computed for the estimates of land area, wood volumes, and tree numbers. These confidence intervals mean that at odds of two out of three (68-percent probability), the true inventory values will be within the ranges shown. As area, volume, or tree data are divided into smaller breakdowns such as forest type or individual species, the sampling error increases. All confidence intervals for data presented in this report are available at the Hawaii Division of Forestry and Wildlife office.

The magnitude of possible errors in judgment, measurement, and compilation cannot be determined. The likelihood of such errors was minimized, however, through training and supervision of personnel, field checking of data, and the editing and machine verification of results of the compilation.

Data item	Total data value	Sampling error (plus or minus)
Land class	See table 5	
Timber, cubic volume (thousand cubic feet)	15,847.6	9,509
Number of live trees (thousand trees)	21,055.4	7,626

Terminology

Bolt--Six-foot sections of the upper stem or limbs of both rough wood and saw-log trees with a minimum middiameter of 10 inches.

Branch--Upper stem branches or limbs not meeting bolt specifications.

Cull--A volume deduction for rotten wood.

Cultivated land--Orchards, nurseries, and other areas under cultivation or regularly cropped, fallow areas.

D.b.h.--Diameter at breast height, a point 4-1/2 feet above the ground on the uphill side of a normally formed tree where the diameter is measured; and 1.6 feet above the stilt or swell for abnormal trees.

Dune land--Sandy areas; beach fronts with very sparse vegetation or none.

Ecosystem--A community of interacting organisms and the environments (habitat) in which they live and with which they interact; a natural composite of plants, animals, and minerals in the presence of sunlight, water, and weather; an ecological unit in nature.

Endemic--Peculiar to a particular region (the Hawaiian Islands) and found nowhere else.

Exotic--Wildlife or plants that are introduced; alien.

Feral--Having escaped from domestication and reverted to a wild state; a domestic animal in the wild for several generations.

Forest land--Land that is, or has been, at least 10 percent stocked with trees, and is not now developed for nonforest use; also includes land 50 percent or more covered by shrubs. The minimum area recognized as forest land is 1 acre.

Forest plantations--Planted forests in which at least 10 percent of growing space is occupied by planted trees (exotic species).

Game--Wild birds or mammals pursued, hunted, or taken for food, recreation, or trophy.

Grassland--Nonforest land with 10 percent or more herbaceous cover; may be grazed or ungrazed; includes intensively pastured areas.

Growing-stock volume--Cubic-foot volume of sound wood in the main stem of sawtimber and poletimber trees from the stump to a minimum top outside bark of 5.0 inches.

Hawaiian Homes--Lands administered by the Department of Hawaiian Home Lands.

Indigenous--Occurring naturally in a given region but with a range that includes a wide geographic area; not introduced by humans.

International 1/4-inch rule--The standard board-foot log rule adopted nationally by the USDA Forest Service for the presentation of inventory volume statistics.

Land class--A classification of land by major use, such as timberland, other forest, and nonforest. The minimum area for classification is 1 acre.

Native--Endemic or indigenous.

Native and naturalized forest--Forests of native and exotic tree species established through natural processes.

Nonforest land--Land that has never supported forests or land that formerly supported forests but has been developed for nonforest uses.

Nongame--Wild birds, mammals, reptiles, or amphibians not pursued, hunted, or taken for food, recreation, or trophy.

Other forest land--Forest land incapable of yielding successive crops of trees for usable wood products because of adverse site conditions (poor drainage, sterile soils, steepness, rockiness, and dry climate--generally less than 30 inches annual rainfall). Includes forest lands that have low productivity for timber but may be productive for range, watershed, recreation, or wildlife habitat.

Poletimber trees--Growing stock trees 5.0 to 11 inches in d.b.h.

Poletimber volume--Cubic-foot volume for the portion of a poletimber tree up to a 4-inch top outside bark.

Rock and pali land--Nonforest land with more than 50 percent rock outcrops. Includes recent barren volcanic ash, cinder, lava flows, and very steep rugged land with slopes more than 100 percent (locally known as "pali").

Rough wood--Logs of sawtimber size that fail to meet saw-log specifications because of poor form or excessive limbs.

Saw log--Segment of a sawtimber tree at least 8.2 feet long or logs that meet specifications for standard lumber.

Sawtimber trees--Live trees with a diameter at breast height equal to or larger than 11.0 inches.

Sawtimber volume--Cubic-foot volume for sawtimber trees that includes the portion of the tree to 9.0 inches top diameter outside bark.

Timberland--Forest land capable of producing 20.0 cubic feet or more per acre per year of industrial wood (commercial roundwood other than firewood) and not withdrawn from timber utilization.

Tip--The portion of both rough wood, saw log, and poletimber trees above the point where stem diameter reaches 4 inches outside the bark.

Urban and other lands--Lands used for urban, suburban, and industrial purposes; includes uses not defined by other land classes.

Vegetation type--Dominant overstory species as determined by stereoscopic inspection of 1-acre plots on aerial photos.

Watershed--An area of land contributing to the supply of a stream, lake, marsh, groundwater basin, reservoir, or wetland; a draining area.

Wildlife--Birds, terrestrial mammals (does not include monk seal), reptiles (except sea turtles and sea snakes), and amphibians living a wild nondomesticated existence.

Tables

TABLE 1 -AREA BY OWNER AND FOREST RESERVE STATUS, ISLAND OF MOLOKAI, HAWAII, 1983 1/

OWNERSHIP	IN RESERVE	OUTSIDE RESERVE	TOTAL 2/
		ACRES	
STATE	17,562	5,345	22,907
HAWAIIAN HOMES	573	24,434	25,007
PRIVATE:			
CORPORATE	7,063	73,111	80,174
INDIVIDUAL	19,089	16,035	35,124
ALL OWNERS 2/	44,287	118,925	163,211

1/ Does not include the acreage in forest plantations reported in table 9.

2/ Totals may be off because of rounding.

TABLE 2 -AREA BY VEGETATION TYPE AND OWNER, ISLAND OF MOLOKAI, HAWAII, 1983 1/

VEGETATION TYPE	STATE	HAWAIIAN HOMES	PRIVATE CORPORATE	PRIVATE INDIVIDUAL	TOTAL 2/
			ACRES		
GRASS	382	8,017	25,388	4,963	38,750
KIAWE	573	4,772	26,725	1,145	33,215
'OHI'A LEHUA	11,453	--	5,918	15,462	32,833
HAOLE KOA	1,909	2,100	2,482	2,863	9,354
GUAVA	2,291	--	573	3,054	5,918
KUKUI	1,909	191	191	2,482	4,773
CHRISTMAS BERRY	191	764	954	1,909	3,818
'A'ALI'I	382	--	1,527	573	2,482
JAVA PLUM	954	191	--	764	1,909
EUCALYPTUS	573	191	764	--	1,528
MANGROVE	--	--	--	191	191
OTHER SHRUBS	191	--	573	--	764
OTHER TREES	--	191	--	382	573
OTHER FORBS	--	--	191	--	191
AGRICULTURE	--	7,254	10,881	191	18,326
NONVEGETATED	764	764	2,100	191	3,819
UNKNOWN	1,336	573	1,909	954	4,772
ALL TYPES 2/	22,908	25,008	80,176	35,124	163,211

1/ Does not include the acreage in forest plantations reported in table 9.

2/ Totals may be off because of rounding.

TABLE 3 AREA BY VEGETATION TYPE AND FOREST RESERVE, ISLAND OF MOLOKAI, HAWAII, 1983 1/

VEGETATION TYPE	INSIDE FOREST RESERVE	OUTSIDE FOREST RESERVE	TOTAL 2/
		ACRES	
GRASS	764	37,987	38,751
KIAWE	--	33,215	33,215
'OHI'A-LEHUA	30,161	2,672	32,833
HAOLE KOA		9,354	9,354
GUAVA	4,200	1,718	5,918
KUKUI	4,009	764	4,773
CHRISTMAS BERRY		3,818	3,818
ALIEN	1,145	1,336	2,481
JAVA PLUM	573	1,336	1,909
EUCALYPTUS	954	573	1,527
MANGO	--	191	191
OTHER SHRUBS	382	382	764
OTHER TREES	--	573	573
OTHER FORBS	-	191	191
AGRICULTURE	-	18,325	18,325
NONVEGETATED	--	3,819	3,819
UNKNOWN	2,100	2,672	4,772
ALL TYPES 2/	44,288	118,925	163,211

1/ Does not include the acreage in forest plantations reported in table 9.

2/ Totals may be off because of rounding.

TABLE 4 -AREA BY LAND CLASS, ISLAND OF MOLOKAI, HAWAII, 1977 AND 1983 1/

LAND CLASS	1977 PHOTO INVENTORY	1983 GROUND INVENTORY
	ACRES	
TIMBERLAND	40,278	23,494
OTHER FOREST	43,523	34,104
CULTIVATED	18,325	5,898
GRASSLAND	37,414	71,598
DUNE LAND	1,718	1,050
ROCK AND PALI	19,662	25,540
URBAN AND OTHER	2,291	1,527
ALL CLASSES 2/	163,211	163,211

1/ Does not include the acreage in forest plantations reported in table 9

2/ Totals may be off because of rounding.

TABLE 5 AREA BY LAND CLASS AND OWNER, ISLAND OF MOLOKAI, HAWAII, 1983 1/

LAND CLASS	STATE	HAWAIIAN HOMES	PRIVATE CORPORATE	PRIVATE INDIVIDUAL	ALL OWNERS	SAMPLING ERROR
			ACRES			*PERCENT*
TIMBERLAND	5,590	840	11,187	5,879	23,496	22.6
OTHER FOREST	5,154	5,431	14,998	8,523	34,106	20.1
CULTIVATED	-	3,627	2,176	95	5,898	52.4
GRASSLAND	3,900	13,370	43,760	10,564	71,594	10.6
DUNE LAND	286	382	382		1,050	100.0
ROCK AND PALI	7,881	973	7,008	9,678	25,540	14.7
URBAN AND OTHER	95	382	668	382	1,527	100.0
ALL CLASSES	22,906	25,005	80,179	35,121	163,211	--

1/ Does not include the acreage in forest plantations reported in table 9.

TABLE 6 TREE VOLUME ON TIMBERLAND BY CLASS OF TIMBER, ISLAND OF MOLOKAI, HAWAII, 1983 1/

CLASS OF TIMBER	TREE FERNS 2/	HARDWOODS	ALL SPECIES 3/
	THOUSAND CUBIC FEET		
SAWTIMBER:			
ROUGH WOOD	0	833.4	833.4
SAW LOG	0	565.0	565.0
UPPER STEM	0	363.7	363.7
TIP	0	24.7	24.7
BOLT	0	586.2	586.2
BRANCH	0	921.7	921.7
TOTAL 3/	0	3,294.7	3,294.7
POLETIMBER:			
POLETIMBER	0	8,510.8	8,510.8
TIP	0	738.1	738.1
BRANCH	0	2,532.0	2,532.0
TOTAL 3/	0	11,780.9	11,780.9
TREE FERNS	772.0	0	772.0
TOTAL VOLUME 3/	772.0	15,075.6	15,847.6
CULL	0	1,405.5	1,405.5

1/ Does not include the volume in forest plantations reported in table 10.

2/ Includes the bole from the ground to a point 3 feet below the base of the live fronds.

3/ Totals may be off because of rounding.

TABLE 7--TOTAL TREE VOLUME ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, ISLAND OF MOLOKAI, HAWAII, 1983 1/

SPECIES	DIAMETER CLASS (INCHES) 5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0 AND LARGER	ALL CLASSES 2/
	THOUSAND CUBIC FEET							
'OHI'A-LEHUA	3,584.4	3,365.5	2,849.9	1,130.1	300.2	575.6	0	11,805.7
CHRISTMAS BERRY	374.3	233.1	137.7	0	349.6	0	0	1,094.7
GUAVA	1,048.8	0	0	0	0	0	0	1,048.8
'OLAPA	0	187.2	0	0	745.1	0	0	932.3
HAPU'U 3/	134.0	201.0	134.0	0	0	0	0	469.0
HAPU'U PUKU 3/	0	236.0	67.0	0	0	0	0	303.0
MANGO	0	0	0	0	0	0	194.2	194.2
ALL SPECIES 2/	5,141.7	4,223.7	3,188.9	1,130.1	1,394.9	575.6	194.2	15,847.6

1/ Does not include the volume in forest plantations reported in table 10.

2/ Totals may be off because of rounding

3/ Diameter class is determined at a point 1.6 feet above ground for tree ferns and at d.b.h. for all other species.

TABLE 8 -NUMBER OF LIVE TREES ON TIMBERLAND BY SPECIES AND DIAMETER CLASS, ISLAND OF MOLOKAI, HAWAII, 1983

SPECIES	DIAMETER CLASS (INCHES)										
	0-0.9	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0 AND LARGER	ALL CLASSES 1/
	THOUSAND TREES										
'OHI'A-LEHUA	0	2,252.4	2,718.1	1,757.5	715.8	301.2	105.7	45.1	18.9	0	7,914.7
GUAVA	1,359.7	2,405.4	775.9	339.6	0	0	39.8	0	0	0	4,920.4
STRAWBERRY GUAVA	1,321.0	777.0	0	0	0	0	0	0	0	0	2,098.0
'OLAPA	0	775.8	620.6	0	75.5	0	0	17.4	0	0	1,489.2
PILO	232.9	1,164.0	0	0	0	0	0	0	0	0	1,396.9
CHRISTMAS BERRY	155.4	388.5	155.4	172.7	35.0	20.1	0	20.1	0	0	947.1
HAPU'U I'I 2/	194.3	0	155.2	0	115.4	43.8	0	0	0	0	508.7
KANAWAO	388.6	0	0	0	0	0	0	0	0	0	388.6
'AMA'U	310.3	0	0	0	0	0	0	0	0	0	310.3
KOLEA	155.2	155.2	0	0	0	0	0	0	0	0	310.3
HAPU'U PULU 2/	0	0	0	83.8	135.2	45.7	0	0	0	0	264.7
OLOMEA	194.3	0	0	0	0	0	0	0	0	0	194.3
'AKIA	0	155.4	0	0	0	0	0	0	0	0	155.4
PUKIAWE	0	155.2	0	0	0	0	0	0	0	0	155.2
MANGO	0	0	0	0	0	0	0	0	0	1.5	1.5
ALL SPECIES 1/	4,311.5	8,228.9	4,425.2	2,353.6	1,076.8	410.9	145.5	82.5	18.9	1.5	21,055.4

1/ Totals may be off because of rounding.

2/ Diameter class is determined at a point 1.6 feet above ground for tree ferns and at d.b.h. for all other species.

TABLE 9 AREA OF FOREST PLANTATIONS BY FOREST RESERVE, OWNER, AND FOREST TYPE, ISLAND OF MOLOKAI, HAWAII, 1967 AND 1979 1/

FOREST RESERVE AND OWNERSHIP	EUCALYPTUS ROBUSTA	EUCALYPTUS SALIGNA	EUCALYPTUS SPECIES	IRONWOOD	FORMOSA KOA	OTHER HARDWOODS	PINE SPECIES	OTHER CONIFERS	TOTA
	ACRES								
MOLOKAI FOREST RESERVE:									
STATE	262	21	108	5	-	34	2/ 670	39	1,139
HAWAIIAN HOMES	--	-	--	--	--	-	-	--	-
PRIVATE	222	112	165	--	--	7	86	7	599
TOTAL	484	133	273	5		41	756	46	1,738
OUTSIDE THE FOREST RESERVE									
STATE	--	-	--	--	--		-	--	-
HAWAIIAN HOMES	74	--	-	77	54	39	--	14	258
PRIVATE	60		135	89	--	119	-	12	415
TOTAL	134		135	166	54	158		26	673
ALL PLANTATIONS:									
STATE	262	21	108	5	--	34	2/ 670	39	1,139
HAWAIIAN HOMES	74	--	--	77	54	39	--	14	258
PRIVATE	282	112	300	89	-	126	86	19	1,014
TOTAL	618	133	408	171	54	199	756	72	2,411

1/ Data from Wong and others (1968), except as noted.

2/ Data from State of Hawaii (1979)

TABLE 10 -VOLUME OF SAWTIMBER AND GROWING STOCK BY SPECIES AND OWNER IN FOREST PLANTATIONS, ISLAND OF MOLOKAI, HAWAII, 1967 AND 1979 1/

SPECIES	STATE	HAWAIIAN HOMES	PRIVATE	ALL OWNERS
		THOUSAND BOARD FEET 2/		
SAWTIMBER:				
EUCALYPTUS BLACKBUTT	29	--	169	198
EUCALYPTUS ROBUSTA	3,416	956	6,038	10,410
EUCALYPTUS SALIGNA	1,122	--	259	1,381
OTHER EUCALYPTUS SPP.	134	10	1,022	1,166
SLASH PINE	3/ 2,084	--	--	2,084
LOBLOLLY PINE	3/ 394	--	--	394
OTHER SOFTWOODS	29	--	32	61
TOTAL	7,208	966	7,520	15,694
		THOUSAND CUBIC FEET		
GROWING STOCK:				
EUCALYPTUS BLACKBUTT	5	--	37	42
EUCALYPTUS ROBUSTA	1,016	261	1,326	2,603
EUCALYPTUS SALIGNA	132	1	168	301
OTHER EUCALYPTUS SPP.	44	3	304	351
SLASH PINE	3/ 469	--	--	469
LOBLOLLY PINE	3/ 364	--	--	364
OTHER SOFTWOODS	68	--	10	78
TOTAL	2,098	265	1,845	4,208

1/ Data from Wong and others (1968), except as noted.

2/ International 1/4-inch rule.

3/ Data from State of Hawaii (1979).

TABLE 11--10-MINUTE BIRD COUNT, ISLAND OF MOLOKAI, HAWAII, 1983

PLOT NUMBER	'AMAKIHI	'APAPANE	BLACK FRANCOLIN	EURASIAN SKYLARK	GRAY FRANCOLIN	HOUSE FINCH	I'IWI	JAPANESE WHITE-EYE	NORTHERN CARDINAL	NORTHERN MOCKINGBIRD	NUTMEG MANNIKIN	RED CRESTED CARDINAL	SPOTTED DOVE	ZEBRA DOVE	ALL BIRDS
3								3				2			5
4				1				1							2
7															0
8					1			1	2			1			5
10				1				1				2		2	6
19															0
24					3				2			2	1	1	9
29								7							7
34					1			1							2
38								1	1	1				2	5
39														1	1
40						1		1							2
41			1				1	2							4
43	3	4						1							8
45		4													4
47						2		5							7
51				1				2					1	2	6
55								7							7
56								2			4				6
58								3			1				4
60								3			2				5
61								5							5
62						1		6							7
65								5							5
TOTAL	3	8	1	3	5	4	1	57	5	1	7	7	2	8	112

TABLE 12--NUMBER OF BIRDS COUNTED BY FOREST TYPE, PLOT NUMBER, ELEVATION, AND SPECIES, ISLAND OF MOLOKAI, HAWAII, 1983

FOREST TYPE, PLOT NUMBER, AND ELEVATION (FEET)	NATIVE FOREST BIRDS			INTRODUCED SONG BIRDS							GAME BIRDS			
	'AMAKIHI	'APAPANE	'I'IWI	JAPANESE WHITE-EYE	HOUSE FINCH	RED CRESTED CARDINAL	SKYLARK	NUTMEG MANNIKIN	NORTHERN MOCKINGBIRD	NORTHERN CARDINAL	ZEBRA DOVE	SPOTTED DOVE	BLACK FRANCOLIN	GRAY FRANCOLIN
'Ohi'a:														
45 (4,002)		4												
43 (3,313)	3	4		1										
41 (3,182)			1	2									1	
29 (1,968)				7										
62 (1,574)				6	1									
55 (1,246)				7										
Pukiawe:														
47 (3,083)				5	2									
Grass:														
60 (2,886)				3				2						
24 (98)				2						2	1	1		3
Kiawe:														
38 (525)				1				1	1	2				
3 (360)				3		2								
7 (262)														
10 (262)				1		2	1							
8 (197)				1		1				2				1
4 (98)				1			1							
39 (66)											1			
Strawberry guava:														
56 (1,640)				2				4						
Christmas berry:														
61 (1,312)				5										
65 (820)				5										
58 (689)				3			1							
Haole koa :														
51 (977)				2			1				2	1		
19 (121)														
34 (66)				1								1		
Guava:														
40 (361)				8	1									

Names of Plants 2/

Category	Common name	Scientific name
Trees		
Endemic	'Akia	*Wikstroemia* spp. Enal.
Exotic	Eucalyptus	*Eucalyptus* spp. L'H'er.
Exotic	Eucalyptus blackbutt	*Eucalyptus globulus* Labill.
Exotic	Eucalyptus robusta	*Eucalyptus robusta* Sm.
Exotic	Eucalyptus saligna	*Eucalyptus saligna* Sm.
Exotic	Guava	*Psidium guajava* L.
Exotic	Ironwood	*Casuarina* spp. Adans.
Exotic	Java plum	*Eugenia cumini* (L.) Druce
Exotic	Kiawe	*Prosopis pallida* (Humb. & Bonl. ex Willd.) HBK.
Endemic	Kolea	*Myrsine lessertiana* A. DC.
Exotic	Kukui	*Aleurites moluccana* (L.) Willd.
Exotic	Loblolly pine	*Pinus taeda* L.
Exotic	Mango	*Mangifera indica* L.
Exotic	Mangrove	*Rhizophora mangle* L.
Endemic	'Ohi'a-lehua	*Metrosideros polymorpha* (Gaud.) Rock.
Endemic	'Olapa	*Cheirodendron trigynum* (Gaud.) Heller
Endemic	Pilo	*Coprosma* spp.
Exotic	Slash pine	*Pinus elliottii* Engelm.
Exotic	Strawberry guava	*Psidium cattleianum* Sabine
Tree ferns		
Endemic	Hapu'u 'i'i	*Cibotium chamissoi* Kaulf.
Endemic	Hapu'u pulu	*Cibotium glaucum* (J. Sm.) Hook. & Arnott
Shrubs		
Endemic	'A'ali'i	*Dodonea* spp. Mill.
Exotic	Christmas berry	*Schinus terebinthifolius* Raddi
Exotic	Haole koa	*Leucaena leucocephala* (Lam.) de Wit
Endemic	Kanawao	*Broussaisia arguta* Gaud.
Endemic	Olomea	*Perrottetia sandwicensis* Gray
Indigenous	Pukiawe	*Styphelia tameiameiae* (Cham.) F. Muell.
Ferns		
Endemic	'Ama'u	*Sadleria* spp. *pallida* (Hk. & Arn.)

2/ The source for most plant names is St. John (1973); for tree ferns the source is Becker (1976).

Names of Animals 3/

Category	Common name	Scientific name
Endemic forest birds	'Apapane	*Himatione sanguinea* (Gmelin)
	'I'iwi	*Vestiaria coccinea* (Forster)
	Maui 'amakihi	*Hemignathus virens* (Gmelin) *wilsoni* (Rothschild)
Exotic (introduced) game birds	Black francolin	*Francolinus francolinus* (Linnaeus)
	Gray francolin	*Francolinus pondicerianus* (Gmelin)
	Spotted dove	*Streptopelia chinensis* (Scopoli)
	Zebra dove	*Geopilia striata* (Linnaeus)
Exotic (introduced) birds	Eurasian skylark	*Alauda arvensis* (Linnaeus)
	Japanese white-eye	*Zosterops japonicus* (Temminck and Schlegel)
	Northern cardinal	*Cardinalis cardinalis* (Linnaeus)
	House finch	*Carpodacus mexicanus* (Muller)
	Northern mockingbird	*Mimus polyglottos* (Linnaeus)
	Nutmeg mannikin	*Lonchura punctulata* (Linnaeus)
	Red-crested cardinal	*Paroaria coronata* (Miller)
Exotic game mammals	Axis deer	*Axis* (Smith) *axis* (Erxleben)
	Feral cat	*Felis catus* (Linnaeus)
	Feral goat	*Capra hircus* (Linnaeus)
	Feral pig	*Sus scrofa* (Linnaeus)

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Metric Equivalents

1,000 acres = 404.7 hectares
1,000 cubic feet = 28.3 cubic meters
6,000 board feet = 28.3 cubic meters
1 cubic foot per acre = 0.07 cubic meter per hectare
1 foot = 0.3048 meter
1 inch = 2.54 centimeters
1 mile = 1.609 kilometers

3/ The source for bird names is American Ornithologists' Union (1983) and Pyle (1983); for mammals the source is Novak and Paradiso (1983).

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Buck, Michael G.; Costales, Patrick G.; McDuffie, Katharine. Multiresource forest statistics for Molokai, Hawaii. Resour. Bull. PNW-136. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 18 p.

This report summarizes a 1983 multiresource forest inventory of the island of Molokai, Hawaii. Tables of forest area, timber volume, vegetation type, ownership, land class, and wildlife are presented.

Keywords: Forest surveys, multiresource inventory, statistics (forests), Hawaii.

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives — as directed by Congress — to provide increasingly greater service to a growing Nation.

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Pacific Northwest Research Station
319 S.W. Pine St.
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Production, Prices, Employment, and Trade in Northwest Forest Industries, First Quarter 1986

Debra D. Warren

CLEMSON UNIVERSITY
SEP 25 1986
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ABSTRACT

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, first quarter 1986. Resour. Bull. PNW-137. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 58 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

PREFACE

This report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1975 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Resources Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

Phone: 503-231-2081 Commercial
503-429-2081 FTS

AUTHOR

DEBRA D. WARREN is a statistical assistant at the Pacific Northwest Research Station, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

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Softwood lumber production in the inland region, by species, 1974-84	A	Second quarter 1985
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1/ A: Published annually as data become available.
Q: Published quarterly as data become available.

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TABLES

Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1975-86

Year	Softwood lumber production				U.S. softwood structural panel board production 3/
	Total softwood lumber	Western Washington and western Oregon 1/	California redwood region	Inland region 2/	
	Million board feet				Million sq ft, 3/8-inch basis
1975	17,773	7,134	2,194	8,445	16,050
1976	20,112	8,322	2,001	9,789	18,440
1977	21,105	8,796	2,000	10,309	19,677
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	18,786	8,113	1,750	8,923	22,446
1985	18,496	7,554	1,779	9,163	23,129
1986:					
January	1,569	666	160	743	2,191
February	1,541	671	134	736	1,857
March	1,720	739	153	828	2,068
Total, 1st quarter	4,830	2,076	447	2,307	6,116
April					
May					
June					
Total, 2d quarter					
July					
August					
September					
Total, 3d quarter					
October					
November					
December					
Total, 4th quarter					
1986 total					
	1st quarter 1986 change, in percent				
From:					
4th quarter 1985	4.7	7.8	14.9	.4	3.7
1st quarter 1985	13.3	14.4	-5.7	16.8	13.1

1/ Includes small amounts of hardwood.

2/ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

3/ Data for 1975 are based in part on sampling. Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

Source: Western Wood Products Association, Portland, Oregon (western Washington and western Oregon and inland region), National Forest Products Association, Washington, D.C. (California redwood region), and American Plywood Association, Tacoma, Washington (U.S. softwood plywood data).

Table 2--Softwood structural panel board production in the United States, by State, 1975-85 1/

(In million square feet, 3/8-inch basis)

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southern States 2/	Northern States 3/
1975	16,050.3	6,927.4	1,723.7	649.6	1,074.1	5,675.5	0
1976	18,440.0	7,917.0	1,894.0	603.0	1,212.0	6,814.0	0
1977	19,376.2	8,109.2	2,013.0	552.0	1,255.0	7,447.0	0
1978	19,964.4	8,226.4	2,084.2	510.7	1,245.0	7,898.1	0
1979	19,653.0	7,929.0	1,727.0	463.0	1,205.0	8,329.0	0
1980	16,468.0	6,179.0	1,333.0	319.0	1,088.0	7,393.0	156.0
1981	17,022.9	5,561.6	1,381.7	351.1	1,129.7	8,306.8	292.0
1982	16,402.6	5,113.9	1,165.8	195.5	874.4	8,455.7	597.3
1983	20,767.0	6,719.0	1,369.0	260.0	1,152.0	9,967.0	1,300.0
1984	21,967.8	6,779.4	1,539.8	232.1	1,131.0	10,511.9	1,773.6
1985	22,838.2	6,750.3	1,645.2	160.8	1,293.2	11,033.8	1,955.0

1/ Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

2/ Southern States include Alabama, Arkansas, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Texas, and Virginia.

3/ Northern States include Maine, Michigan, Minnesota, New Hampshire, New York, and Wisconsin.

Source: American Plywood Association.

Table 3--Wholesale prices of selected lumber products, 1975-86

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/12', KD, net, f.o.b. mill	Ponderosa pine boards, no. 3, 1 by 12 RL, KD, net, f.o.b. mill	Ponderosa pine, no. 2 shop, 6/4 RWRL, S2S, net, f.o.b. mill	Fir-larch std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill	Spruce-pine-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill
1975	148.00	144.00	205.00	144.00	117.00
1976	178.00	188.00	318.00	169.00	151.00
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986:					
January	197.20	261.00	495.00	179.20	151.80
February	196.25	273.75	495.00	181.00	154.50
March	215.75	297.50	495.00	220.50	193.50
Average, 1st quarter	203.07	277.42	495.00	193.57	166.60
April					
May					
June					
Average, 2d quarter					
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1986 average					
	- - - - - - - - - - - - - - - - - - 1st quarter 1986 change, in percent - - - - - - - - - - - - - - - - - -				
From:					
4th quarter 1985	1.5	19.4	0.0	8.5	10.2
1st quarter 1985	4.6	8.2	.6	7.0	9.7

Source: Random Lengths Publications, Inc.

Table 4--Wholesale prices of selected softwood plywood products, 1975-86

(In dollars per thousand square feet)

Year	Sheathing, western exterior, 3/8-inch, CD, net f.o.b. mill	Sheathing, southern (west) 1/ exterior, 3/8-inch, CD, net f.o.b. mill	Sanded, western interior, 1/4-inch, AD, net f.o.b. mill
1975	99.00	95.00	146.00
1976	127.00	125.00	160.00
1977	157.00	159.00	183.00
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986:			
January	149.40	146.50	171.60
February	144.75	148.25	171.25
March	163.50	154.75	184.00
Average, 1st quarter	152.55	149.87	175.62
April			
May			
June			
Average, 2d quarter			
July			
August			
September			
Average, 3d quarter			
October			
November			
December			
Average, 4th quarter			
1986 average			
	- - - - - - 1st quarter 1986 change, in percent - - - - - -		
From:			
4th quarter 1985	-.9	.3	.9
1st quarter 1985	6.2	5.7	5.8

1/ Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 5--F.o.b. mill prices for Douglas-fir lumber, 1974-86

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1974	473.53	237.77	208.27	82.48	140.89	183.99	46.95
1975	405.84	224.78	184.85	83.80	138.77	164.92	44.62
1976	486.23	276.45	229.01	109.84	173.76	216.59	49.12
1977	503.86	342.38	288.67	147.56	215.43	260.68	60.61
1978	592.86	406.35	324.74	170.03	235.28	284.49	85.69
1979	891.29	480.10	409.96	179.20	245.72	334.22	85.89
1980	929.30	505.72	365.27	150.12	172.60	270.80	85.46
1981	746.77	426.09	328.91	136.73	192.99	262.91	83.25
1982	647.96	375.11	283.02	126.45	159.43	198.34	77.91
1983	684.91	425.96	261.85	161.77	200.75	222.39	87.33
1984	688.00	407.27	249.18	136.60	189.29	222.89	71.69
1985	671.46	409.79	248.70	130.79	190.04	226.08	67.63
1986:							
1st quarter	678.43	389.02	235.38	128.57	180.71	219.64	66.47
2d quarter							
3d quarter							
4th quarter							
1986 average							

Source: Western Wood Products Association.

Table 6--Employment in forest products industries in Washington, Oregon, and Alaska, 1975-86

(In thousands of persons)

Year	Washington and Oregon			Washington			Oregon			Alaska		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Pulp and allied products
1975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8	--	2.0	1/
1976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1	3.4	2.3	1.1
1977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1	3.6	2.2	1.4
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8	2.9	1.8	1.1
1979	159.0	133.4	25.6	68.4	52.6	15.8	90.6	80.8	9.8	3.0	2.0	1.0
1980	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4	3.4	2.3	1.1
1981	135.6	108.1	27.5	61.6	44.4	17.2	74.0	63.7	10.3	2.8	1.9	.9
1982	120.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7	2.6	1.8	.8
1983	128.1	103.1	25.0	56.8	41.1	15.7	71.3	62.0	9.3	2.7	1.9	.8
1984	131.6	106.2	25.4	57.2	41.0	16.2	74.4	65.2	9.2	2.2	1.6	.6
1985	126.8	101.5	25.2	53.4	37.3	16.0	73.4	64.2	9.1	2.3	1.7	.7
1986:												
January	123.4	98.0	25.4	52.1	35.9	16.2	71.3	62.1	9.2	NA	NA	NA
February	122.8	97.7	25.1	51.9	35.9	16.0	70.9	61.8	9.1	NA	NA	NA
March	123.4	98.2	25.2	52.0	35.9	16.1	71.4	62.3	9.1	NA	NA	NA
Average, 1st quarter	123.2	98.0	25.2	52.0	35.9	16.1	71.2	62.1	9.1	NA	NA	NA
April												
May												
June												
Average, 2d quarter												
July												
August												
September												
Average, 3d quarter												
October												
November												
December												
Average, 4th quarter												
1986 average												
	- 1st quarter 1986 change in employment -											
From:												
4th qtr. 1985	-2.7	-2.7	0.0	-1.0	-1.0	.1	-1.7	-1.7	0.0	NA	NA	NA
1st qtr. 1985	-.3	-.8	.6	-.2	-.5	.3	-.1	-.4	3.0	NA	NA	NA

1/ Withheld to avoid disclosure.

NA = not available.

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

Table 7--Employment in forest products industries in California, 1975-85

(In thousands of persons)

Year	Total	Lumber and wood products	Paper and allied products
1975	87.3	52.8	34.5
1976	96.6	59.9	36.7
1977	104.2	66.6	37.6
1978	107.1	69.9	37.2
1979	107.8	68.7	39.1
1980	101.3	62.6	38.7
1981	96.6	57.9	38.7
1982	83.7	46.2	37.5
1983	87.5	50.2	37.3
1984	94.5	55.4	39.1
1985:			
January	90.3	50.8	39.5
February	90.9	51.2	39.7
March	91.9	52.0	39.9
Average, 1st quarter	91.0	51.3	39.7
April	93.9	54.3	39.6
May	96.4	56.6	39.8
June	98.5	58.3	40.2
Average, 2d quarter	96.3	56.4	39.9
July	98.4	58.9	39.5
August	99.4	59.5	39.9
September	99.5	59.7	39.8
Average, 3d quarter	99.1	59.4	39.7
October	98.4	58.4	40.0
November	96.5	56.6	39.9
December	93.8	53.8	40.0
Average, 4th quarter	96.2	56.3	40.0
1985 average	95.7	55.9	39.8
	- - - 4th quarter 1985 change in employment - - -		
From:			
3d quarter 1985	-2.9	-3.1	.3
4th quarter 1984	3.2	2.6	.7
	- - - - - Year 1985 change in employment - - - - -		
From year 1984	1.2	.5	.7

Source: State of California, Department of Employment. Data are based on place of residence.

Table 8--Employment in forest products industries in Montana and Idaho, 1975-86

(In thousands of persons)

Year	Montana		Idaho		
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	8.1	1/	16.8	15.7	1.1
1976	9.1	1/	18.6	17.4	1.2
1977	9.3	1/	19.0	17.8	1.2
1978	10.7	1/	20.1	18.8	1.3
1979	11.1	1/	19.9	18.5	1.4
1980	8.7	1/	17.5	16.1	1.4
1981	8.8	1/	16.6	15.1	1.5
1982	6.8	1/	13.6	12.1	1.5
1983	8.0	1/	15.7	14.0	1.7
1984	8.3	1/	15.6	13.9	1.7
1985	8.4	1/	15.4	13.6	1.8
1986:					
January	7.7	1/	15.1	13.3	1.8
February	7.6	1/	14.6	12.8	1.8
March	7.8	1/	13.2	11.4	1.8
Average, 1st quarter	7.7	1/	14.3	12.5	1.8
April					
May					
June					
Average, 2d quarter					
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1986 average					
	- - - - - - - - - - - 1st quarter 1986 change in employment - - - - - - - - - - -				
From:					
4th quarter 1985	-.5	1/	-1.3	-1.3	0.0
1st quarter 1985	-.6	1/	.1	0.0	.1

1/ Withheld to avoid disclosing figures for individual companies.

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Data are based on place of residence.

Table 9--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	2,225,487	765,840	24,361	1,435,286	1,427,387	437,290	990,097	798,100	328,550	24,361	445,189
1976	2,737,074	945,649	26,576	1,764,849	1,792,944	527,889	1,265,055	944,130	417,760	26,576	499,794
1977	2,555,615	966,763	16,721	1,572,131	1,674,860	556,419	1,118,441	880,755	410,344	16,721	453,690
1978	2,847,394	1,139,267	24,493	1,683,634	1,915,979	619,500	1,296,479	931,415	519,767	24,493	387,155
1979	3,233,652	1,309,179	22,693	1,901,780	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,817	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,882	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985:											
1st qtr.	696,431	416,940	2,763	276,728	423,305	200,537	222,768	273,126	216,403	2,763	53,960
2d qtr.	842,518	493,809	2,190	346,519	537,205	239,213	297,992	305,313	254,596	2,190	48,527
3d qtr.	774,910	466,628	3,135	305,147	487,057	232,399	254,658	287,853	234,229	3,135	50,489
4th qtr.	690,266	372,306	4,279	313,681	431,303	172,132	259,171	258,963	200,174	4,279	54,510
1985 total	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986:											
1st qtr.	710,375	435,807	2,511	272,057	458,181	228,426	229,755	252,194	207,381	2,511	42,302
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											
					To Japan						
1975	2,014,244	732,264	24,361	1,257,619	1,255,817	410,721	845,096	758,427	321,543	24,361	412,523
1976	2,547,037	901,911	24,573	1,620,553	1,623,064	491,451	1,131,613	923,973	410,460	24,573	488,940
1977	2,348,325	933,813	16,721	1,397,791	1,496,627	526,255	970,372	851,698	407,558	16,721	427,419
1978	2,521,885	1,103,562	22,814	1,395,509	1,630,247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1,279,177	20,611	1,659,938	1,998,315	705,921	1,292,394	961,411	573,256	20,611	367,544
1980	2,344,322	1,175,407	12,300	1,156,615	1,488,494	602,605	885,889	855,828	572,802	12,300	270,726
1981	1,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	1,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985:											
1st qtr.	436,835	298,301	2,758	135,776	226,796	128,395	98,401	210,039	169,906	2,758	37,375
2d qtr.	384,241	246,379	1,974	135,888	209,518	103,268	106,250	174,723	143,111	1,974	29,638
3d qtr.	394,127	236,384	2,969	154,774	235,771	112,452	123,319	158,356	123,932	2,969	31,455
4th qtr.	401,858	233,742	4,245	163,871	244,338	110,528	133,810	157,520	123,214	4,245	30,061
1985 total	1,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986:											
1st qtr.	408,373	263,123	2,511	142,739	235,198	121,243	113,955	173,175	141,880	2,511	28,784
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											

Table 9--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	58,506	16,793	--	41,713	58,506	16,793	41,713	--	--	--	--
1976	48,289	14,803	--	33,486	48,289	14,803	33,486	--	--	--	--
1977	15,698	9,531	--	6,167	15,698	9,531	6,167	--	--	--	--
1978	12,638	9,361	--	3,277	12,638	9,361	3,277	--	--	--	--
1979	24,124	7,737	--	16,387	24,124	7,737	16,387	--	--	--	--
1980	985	395	--	590	985	395	590	--	--	--	--
1981	1,332	392	--	940	1,332	392	940	--	--	--	--
1982	4,757	635	--	4,122	4,757	635	4,122	--	--	--	--
1983	5,216	397	--	4,819	5,216	397	4,819	--	--	--	--
1984	10,461	2,406	--	8,055	10,461	2,406	8,055	--	--	--	--
1985:											
1st qtr.	5,244	15	--	5,229	5,244	15	5,229	--	--	--	--
2d qtr.	8,731	16	--	8,715	8,731	16	8,715	--	--	--	--
3d qtr.	9,024	5	--	9,019	9,024	5	9,019	--	--	--	--
4th qtr.	9,803	--	--	9,803	9,803	--	9,803	--	--	--	--
1985 total	32,802	36	--	32,766	32,802	36	32,766	--	--	--	--
1986:											
1st qtr.	2,065	--	--	2,065	2,065	--	2,065	--	--	--	--
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											
To South Korea											
1975	79,022	13,946	--	65,076	42,100	9,100	33,000	36,922	4,846	--	32,076
1976	130,069	26,454	--	103,615	117,007	21,068	95,939	13,062	5,386	--	7,676
1977	187,967	21,201	--	166,766	162,252	20,418	141,834	25,715	783	--	24,932
1978	307,865	24,844	--	283,021	271,887	20,426	251,461	35,978	4,418	--	31,560
1979	245,314	20,342	--	224,972	227,072	18,653	208,419	18,242	1,689	--	16,553
1980	191,387	11,796	--	179,591	163,988	9,549	154,439	27,399	2,247	--	25,152
1981	147,833	10,919	--	136,914	132,675	9,333	123,342	15,158	1,586	--	13,572
1982	254,736	27,809	--	226,927	220,126	23,841	196,285	34,610	3,968	--	30,642
1983	285,638	19,388	--	266,250	259,368	16,406	242,962	26,270	2,982	--	23,288
1984	264,249	6,007	7	258,235	236,609	4,790	231,819	27,640	1,217	7	26,416
1985:											
1st qtr.	90,382	2,604	--	87,778	78,146	2,152	75,994	12,236	452	--	11,784
2d qtr.	79,235	2,168	--	77,067	72,812	1,168	71,644	6,423	1,000	--	5,423
3d qtr.	63,740	3,707	--	60,033	56,445	2,763	53,682	7,295	944	--	6,351
4th qtr.	64,272	2,267	34	61,971	56,262	817	55,445	8,010	1,450	34	6,526
1985 total	297,629	10,746	34	286,849	263,665	6,900	256,765	33,964	3,846	34	30,084
1986:											
1st qtr.	67,224	1,683	--	65,541	58,211	1,388	56,823	9,013	295	--	8,718
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											
To Mainland China											
1980	87,785	69,901	--	17,884	43,271	31,884	11,387	44,514	38,017	--	6,497
1981	219,237	149,592	--	69,645	170,779	111,058	59,721	48,458	38,534	--	9,924
1982	533,102	390,047	--	143,055	358,762	244,198	114,564	174,340	145,849	--	28,491
1983	699,240	497,020	--	202,220	535,418	347,576	187,842	163,822	149,444	--	14,378
1984	845,188	624,676	--	220,512	589,661	402,321	187,340	255,527	222,355	--	33,172
1985:											
1st qtr.	159,172	115,696	--	43,476	108,347	69,651	38,696	50,825	46,045	--	4,780
2d qtr.	363,834	243,182	--	120,652	241,909	134,723	107,186	121,925	108,459	--	13,466
3d qtr.	305,057	224,098	--	80,959	183,044	114,768	68,276	122,013	109,330	--	12,683
4th qtr.	201,496	133,297	--	68,199	111,070	60,787	50,283	90,426	72,510	--	17,916
1985 total	1,029,559	716,273	--	313,286	644,370	379,929	264,441	385,189	336,344	--	48,845
1986:											
1st qtr.	232,555	170,959	--	61,596	162,561	105,765	56,796	69,994	65,194	--	4,800
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 10--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	603,854	202,337	16,758	384,759	376,706	111,919	264,787	227,148	90,418	16,758	119,972
1976	775,113	266,523	20,086	488,504	490,246	141,989	348,257	284,867	124,534	20,087	140,247
1977	826,698	311,269	17,049	498,380	526,412	171,541	354,871	300,286	139,728	17,049	143,509
1978	992,207	413,645	24,923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128,126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,858	634,898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985:											
1st qtr.	228,180	142,835	3,369	81,976	130,707	65,668	65,039	97,473	77,166	3,369	16,937
2d qtr.	272,660	166,379	2,346	103,936	168,661	79,158	89,504	103,999	87,221	2,346	14,433
3d qtr.	247,317	153,208	4,004	90,105	150,219	74,826	75,393	97,099	78,383	4,004	14,712
4th qtr.	224,311	124,175	4,447	95,689	137,387	58,204	79,183	86,924	65,971	4,447	16,506
1985 total	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62,588
1986:											
1st qtr.	235,304	148,923	2,679	83,702	147,430	76,036	71,394	87,874	72,887	2,679	12,308
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											
					To Japan						
1975	560,754	195,469	16,758	348,527	341,885	107,149	234,736	218,869	88,320	16,758	113,791
1976	734,412	256,673	17,918	459,821	457,248	134,894	322,354	277,164	121,779	17,918	137,467
1977	776,630	303,248	17,049	456,333	484,006	164,626	319,380	292,624	138,622	17,049	136,953
1978	908,627	404,134	22,763	481,730	566,494	204,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910,338	323,034	587,304	477,264	289,126	22,271	165,867
1980	1,190,875	593,484	16,596	580,795	750,369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451,171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302,800	148,370	154,430	232,375	176,114	13,946	42,315
1985:											
1st qtr.	152,073	107,131	3,365	41,577	73,661	43,876	29,785	78,412	63,255	3,365	11,792
2d qtr.	134,135	88,147	2,241	43,747	71,032	36,257	34,774	63,103	51,890	2,241	8,973
3d qtr.	133,622	82,429	3,927	47,265	75,896	37,950	37,945	57,727	44,479	3,927	9,320
4th qtr.	140,845	82,327	4,432	54,086	83,933	39,513	44,421	56,912	42,814	4,432	9,665
1985 total	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986:											
1st qtr.	147,019	96,921	2,679	47,418	80,922	42,757	38,165	66,097	54,164	2,679	9,254
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											

Table 10--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	8,313	2,937	--	5,376	8,313	2,937	5,376	--	--	--	--
1976	7,908	2,733	--	5,175	7,908	2,733	5,175	--	--	--	--
1977	3,545	2,154	--	1,391	3,545	2,154	1,391	--	--	--	--
1978	2,933	2,129	--	804	2,933	2,129	804	--	--	--	--
1979	7,223	2,435	--	4,788	7,223	2,435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	--	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1,046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	--
1985:											
1st qtr.	692	7	--	685	692	7	685	--	--	--	--
2d qtr.	1,646	8	--	1,638	1,646	8	1,638	--	--	--	--
3d qtr.	2,308	1	--	2,307	2,308	1	2,307	--	--	--	--
4th qtr.	1,745	--	--	1,745	1,745	--	1,745	--	--	--	--
1985 total	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986:											
1st qtr.	219	--	--	219	219	--	219	--	--	--	--
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											
To South Korea											
1975	14,757	2,688	--	12,069	7,912	1,648	6,264	6,845	1,040	--	5,805
1976	27,546	5,664	--	21,882	24,400	4,350	20,050	3,146	1,315	--	1,831
1977	44,949	4,811	--	40,138	38,738	4,672	34,066	6,211	139	--	6,072
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8,865	1,059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8,730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8,022
1985:											
1st qtr.	25,682	700	--	24,982	21,816	584	21,232	3,866	116	--	3,750
2d qtr.	22,962	607	--	22,355	20,865	287	20,578	2,097	320	--	1,777
3d qtr.	18,790	936	--	17,854	16,516	677	15,840	2,273	259	--	2,014
4th qtr.	18,178	560	15	17,603	15,881	148	15,733	2,297	413	15	1,869
1985 total	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1,108	15	9,410
1986:											
1st qtr.	19,130	504	--	18,626	16,780	427	16,352	2,351	77	--	2,274
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											
To Mainland China											
1980	41,433	34,285	--	7,148	21,326	16,692	4,634	20,107	17,593	--	2,514
1981	88,000	63,977	--	24,023	67,639	47,363	20,276	20,361	16,614	--	3,747
1982	207,078	158,699	--	48,379	138,219	99,194	39,025	68,859	59,505	--	9,354
1983	220,458	161,616	--	58,842	164,982	110,449	54,533	55,476	51,167	--	4,309
1984	264,969	199,224	--	65,745	184,041	128,413	55,628	80,928	70,811	--	10,116
1985:											
1st qtr.	48,486	34,930	--	13,556	33,307	21,135	12,171	15,180	13,795	--	1,385
2d qtr.	111,982	76,928	--	35,054	73,947	42,576	31,371	38,035	34,352	--	3,683
3d qtr.	91,691	69,113	--	22,578	54,682	35,481	19,200	37,010	33,632	--	3,378
4th qtr.	60,018	40,373	--	19,645	33,228	18,543	14,685	26,790	21,830	--	4,960
1985 total	312,178	221,344	--	90,834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986:											
1st qtr.	68,881	51,472	--	17,409	49,465	32,836	16,629	19,416	18,636	--	780
2d qtr.											
3d qtr.											
4th qtr.											
1986 total											

Note: Individual columns may not add to totals because of rounding.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 11--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	271.34	264.20	687.90	268.07	263.91	255.94	267.43	284.61	275.20	687.90	269.49
1976	283.19	281.84	755.83	276.80	273.43	268.98	275.29	301.73	298.10	755.83	280.61
1977	323.48	321.97	1,019.62	317.01	314.30	308.29	317.26	340.94	340.51	1,019.62	316.32
1978	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985:											
1st qtr.	327.64	342.58	1,219.31	296.24	308.78	327.46	291.96	356.88	356.59	1,219.31	313.89
2d qtr.	323.63	336.93	1,071.05	299.94	313.96	330.91	300.36	340.63	342.58	1,071.05	297.41
3d qtr.	319.16	328.33	1,277.07	295.29	308.42	321.97	296.06	337.32	334.64	1,277.06	291.39
4th qtr.	324.96	333.53	1,039.35	305.05	318.54	338.14	305.52	335.66	329.57	1,039.35	302.80
1985 average	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986:											
1st qtr.	331.24	341.72	1,067.03	307.66	321.77	332.87	310.74	348.44	351.46	1,067.03	290.95
2d qtr.											
3d qtr.											
4th qtr.											
1986 average											
					To Japan						
1975	278.39	266.94	687.90	277.13	272.24	260.88	277.76	288.58	274.68	687.90	275.84
1976	288.34	284.59	729.17	283.74	281.72	274.48	284.86	299.97	296.69	729.17	281.15
1977	330.72	324.74	1,019.62	326.47	323.40	312.83	329.13	343.58	340.13	1,019.62	320.42
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985:											
1st qtr.	348.13	359.14	1,220.07	306.22	324.79	341.73	302.69	373.32	372.30	1,220.07	315.51
2d qtr.	349.09	357.77	1,135.01	321.93	339.02	351.10	327.29	361.16	362.59	1,135.01	302.74
3d qtr.	339.03	348.71	1,322.82	305.38	321.90	337.48	307.70	364.54	358.90	1,322.82	296.30
4th qtr.	350.48	352.21	1,044.14	330.05	343.51	357.49	331.97	361.30	347.48	1,044.14	321.52
1985 average	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986:											
1st qtr.	360.01	368.35	1,067.03	332.20	344.06	352.66	334.91	381.68	381.76	1,067.03	321.49
2d qtr.											
3d qtr.											
4th qtr.											
1986 average											

Table 11--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To Canada						
1975	142.09	174.89	--	128.88	142.09	174.89	128.88	--	--	--	--
1976	163.76	184.62	--	154.54	163.76	184.62	154.54	--	--	--	--
1977	225.82	226.00	--	225.56	225.82	226.00	225.56	--	--	--	--
1978	232.08	227.43	--	245.35	232.08	227.43	245.35	--	--	--	--
1979	299.41	314.72	--	292.78	299.41	314.72	292.18	--	--	--	--
1980	327.92	336.71	--	322.03	327.92	336.71	322.03	--	--	--	--
1981	347.60	441.33	--	308.51	347.60	441.33	308.51	--	--	--	--
1982	224.51	215.75	--	225.86	224.51	215.75	225.86	--	--	--	--
1983	200.35	138.54	--	205.44	200.35	137.46	205.44	--	--	--	--
1984	198.93	228.18	--	190.07	198.93	228.18	190.07	--	--	--	--
1985:											
1st qtr.	131.92	484.07	--	130.91	131.92	484.07	130.91	--	--	--	--
2d qtr.	188.47	500.00	--	187.90	188.47	500.00	187.90	--	--	--	--
3d qtr.	255.79	235.60	--	255.80	255.79	235.60	255.80	--	--	--	--
4th qtr.	177.98	--	--	177.98	177.98	--	177.98	--	--	--	--
1985 average	194.82	456.64	--	194.53	194.82	456.64	194.53	--	--	--	--
1986:											
1st qtr.	106.04	--	--	106.04	106.04	--	106.04	--	--	--	--
2d qtr.											
3d qtr.											
4th qtr.											
1986 average											
					To South Korea						
1975	186.74	192.74	--	185.46	187.93	181.10	189.82	185.39	214.61	--	180.98
1976	211.78	214.11	--	211.19	208.53	206.47	208.93	240.77	244.77	--	238.54
1977	239.13	226.92	--	240.68	238.75	228.82	240.18	241.53	177.52	--	243.54
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	--	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	--	351.48
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	--	347.09
1981	321.16	368.81	--	317.38	324.46	376.41	320.53	292.45	324.29	--	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	--	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	--	309.95
1984	292.67	286.83	281.14	292.81	291.41	283.51	291.32	303.51	299.92	281.14	303.68
1985:											
1st qtr.	284.15	268.82	--	284.60	279.17	271.23	279.39	315.96	257.38	--	318.20
2d qtr.	289.79	279.90	--	290.07	286.55	245.57	287.22	326.50	320.00	--	327.70
3d qtr.	294.79	252.45	--	297.40	292.61	244.96	295.06	311.64	274.36	--	317.19
4th qtr.	282.83	247.18	441.18	284.05	282.27	180.97	283.77	286.73	284.48	441.18	286.43
1985 average	287.64	260.84	441.18	288.63	284.75	245.68	285.80	310.13	288.05	441.18	312.81
1986:											
1st qtr.	284.58	299.44	--	284.19	288.26	307.82	287.78	260.81	260.00	--	260.84
2d qtr.											
3d qtr.											
4th qtr.											
1986 average											
					To Mainland China						
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	--	386.95
1981	401.39	427.68	--	344.94	396.06	426.47	339.51	420.18	431.15	--	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	--	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	--	298.15	312.11	319.18	296.94	316.71	318.46	--	304.96
1985:											
1st qtr.	304.62	301.91	--	311.81	307.41	303.44	314.54	298.66	299.60	--	289.68
2d qtr.	307.78	316.34	--	290.54	305.68	316.02	292.68	311.95	316.73	--	273.50
3d qtr.	300.57	308.41	--	278.88	298.74	309.16	281.22	303.33	307.62	--	266.32
4th qtr.	297.86	302.88	--	288.06	299.16	305.05	292.04	296.27	301.06	--	276.87
1985 average	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	--	274.46
1986:											
1st qtr.	296.19	301.08	--	282.64	304.29	310.46	292.79	277.40	285.86	--	162.40
2d qtr.											
3d qtr.											
4th qtr.											
1986 average											

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 12--Softwood log exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
		To all countries		
1975	86,943	52,547	2,483	31,913
1976	109,812	73,924	2,508	33,380
1977	70,902	38,302	2,331	30,269
1978	72,650	49,024	2,880	20,746
1979	65,492	37,551	1,611	26,330
1980	31,672	7,287	653	23,732
1981	25,586	5,890	1,381	18,315
1982	19,507	12,609	6	6,892
1983	33,519	3,643	300	29,576
1984	47,115	16,339	1,764	29,012
1985:				
1st quarter	13,269	4,371	362	8,536
2d quarter	15,244	7,400	--	7,844
3d quarter	23,451	16,596	--	6,855
4th quarter	10,616	5,600	910	4,106
1985 total	62,580	33,967	1,272	27,341
1986:				
1st quarter	10,569	3,900	--	6,669
2d quarter				
3d quarter				
4th quarter				
1986 total				
		To Japan		
1975	78,813	48,188	2,483	28,142
1976	96,485	69,395	2,853	24,237
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979	57,938	37,411	1,611	18,916
1980	27,180	7,055	653	19,472
1981	20,708	1,024	1,381	18,303
1982	9,022	3,270	6	5,746
1983	24,308	3,626	300	20,382
1984	26,251	2,954	1,764	21,533
1985:				
1st quarter	8,954	56	362	8,536
2d quarter	542	--	--	542
3d quarter	10,746	3,900	--	6,846
4th quarter	5,001	--	910	4,091
1985 total	25,243	3,956	1,272	20,015
1986:				
1st quarter	6,653	--	--	6,653
2d quarter				
3d quarter				
4th quarter				
1986 total				
		To Mainland China		
1982	9,292	9,282	--	10
1983	8,302	--	--	8,302
1984	13,568	8,875	--	4,693
1985:				
1st quarter	4,315	4,315	--	--
2d quarter	14,694	7,400	--	7,294
3d quarter	12,696	12,696	--	--
4th quarter	5,600	5,600	--	--
1985 total	37,305	30,011	--	7,294
1986:				
1st quarter	3,900	3,900	--	--
2d quarter				
3d quarter				
4th quarter				
1986 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 13--Softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In million board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	366.8	32.2	230.0	261.3	48.6	284.7	469.2	--	32.9	1,725.7
1976	502.1	30.5	277.2	397.4	7.5	324.5	623.7	0	28.5	2,191.4
1977	402.1	42.1	237.7	328.2	68.7	304.6	607.6	--	12.0	2,003.0
1978	512.2	41.1	321.8	325.8	87.1	387.2	559.7	--	7.0	2,241.0
1979	648.7	50.9	332.8	366.1	101.0	505.0	601.7	--	9.9	2,616.1
1980	498.2	38.0	287.3	387.0	80.2	295.1	497.1	.1	3.1	2,086.1
1981	414.3	16.7	208.4	215.9	47.3	168.0	446.2	.1	14.9	1,531.8
1982	552.3	11.0	310.3	374.5	62.6	152.6	494.1	--	13.9	1,971.3
1983	658.1	6.7	292.5	318.3	40.4	200.6	540.7	--	.6	2,057.9
1984	633.1	22.1	282.0	352.6	64.4	269.5	628.2	.8	2.0	2,255.5
1985:										
1st quarter	146.7	6.0	72.2	109.1	28.5	79.0	90.0	0	.9	532.4
2d quarter	234.1	13.3	65.9	111.2	4.3	107.6	110.9	0	1.2	648.4
3d quarter	163.4	7.6	78.3	74.7	1.5	76.3	159.1	0	.8	560.7
4th quarter	140.4	17.4	88.0	58.1	0	71.4	112.5	0	1.6	489.4
1985 total	684.6	44.3	304.4	352.0	34.2	334.3	472.5	0	4.4	2,230.8
1986:										
1st quarter	170.0	5.2	62.8	38.7	2.0	94.7	122.4	0	1.1	496.9
2d quarter										
3d quarter										
4th quarter										
1986 total										

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	245.7	134.1	137.5	44.5	561.8	66.6	19.9	0	1.4	87.9
1976	273.3	144.6	99.5	28.0	545.4	83.7	26.1	0	--	109.8
1977	210.2	120.1	207.0	15.4	552.7	39.2	25.5	0	6.3	71.0
1978	168.4	145.1	277.0	15.0	605.5	46.1	18.4	--	8.2	72.7
1979	150.1	128.2	322.0	17.2	617.5	43.0	6.0	0	16.5	65.6
1980	134.7	135.2	275.8	0	545.7	14.9	3.9	.5	12.3	31.6
1981	73.3	113.8	268.2	0	455.3	6.6	13.3	0	5.6	25.5
1982	93.3	191.1	309.5	2.3	596.2	16.0	.7	0	1.2	17.9
1983	69.0	153.5	309.9	1.1	533.5	17.1	16.3	0	.1	33.5
1984	66.5	233.4	272.9	7.6	580.5	27.4	16.5	0	3.2	47.1
1985:										
1st quarter	8.4	63.9	91.8	0	164.1	6.8	5.5	0	1.0	13.3
2d quarter	14.6	79.1	100.4	0	194.1	15.2	0	0	.1	15.2
3d quarter	26.1	81.9	92.1	12.2	214.2	18.2	5.2	0	0	23.5
4th quarter	12.6	97.7	77.2	13.4	200.9	6.5	4.1	0	0	10.6
1985 total	63.6	322.9	361.5	25.6	773.3	46.7	14.8	0	1.1	62.6
1986:										
1st quarter	11.9	66.7	111.7	23.2	213.5	5.7	4.9	0	0	10.6
2d quarter										
3d quarter										
4th quarter										
1986 total										

Note: Individual columns may not add to totals because of rounding.

1/ State totals as presented here for Washington and Oregon do not agree with those in table 9 because customs districts as used in table 9 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 14--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In dollars per thousand board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	256.17	297.84	273.29	280.90	273.90	253.46	266.63	--	279.01	266.30
1976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	0	252.97	277.26
1977	311.97	296.28	309.82	336.01	331.68	294.59	327.76	--	263.80	317.86
1978	332.92	295.77	334.87	379.57	347.93	319.97	340.91	--	344.67	339.68
1979	452.52	376.18	455.44	518.19	499.12	424.46	428.19	--	492.38	451.64
1980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.76
1981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.06	428.32
1982	354.51	374.42	366.86	420.02	358.61	362.47	429.08	--	372.14	388.57
1983	314.28	364.25	345.30	361.03	405.78	336.07	344.01	442.46	623.79	337.90
1984	311.83	293.83	324.35	353.46	326.45	329.95	270.28	343.27	303.70	310.74
1985:										
1st quarter	296.38	289.69	293.11	351.97	305.04	318.05	335.18	0	373.64	317.63
2d quarter	303.59	260.44	319.83	350.26	305.35	307.40	343.83	0	496.88	320.18
3d quarter	296.12	309.43	318.51	325.29	310.65	289.15	325.47	0	263.43	310.64
4th quarter	299.75	258.21	333.61	335.91	0	295.21	352.89	0	418.18	320.60
1985 average	299.48	271.99	317.14	343.20	305.33	303.15	338.16	0	401.64	317.27
1986:										
1st quarter	303.47	228.39	343.92	358.68	307.70	320.21	339.46	0	525.90	343.30
2d quarter										
3d quarter										
4th quarter										
1986 average										

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.62
1976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0	--	312.31
1977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	0	338.45	335.14
1978	325.32	512.44	366.77	330.78	389.23	353.99	362.18	--	372.07	358.09
1979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.65
1980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
1981	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
1982	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
1983	302.95	411.99	362.85	320.00	369.15	315.41	370.37	0	1,028.53	345.23
1984	296.11	367.28	350.19	300.95	350.22	366.75	358.63	0	447.55	361.38
1985:										
1st quarter	295.94	383.22	349.92	0	360.14	240.49	351.22	0	451.48	302.21
2d quarter	284.96	349.50	331.06	0	335.12	287.99	0	0	1,072.94	290.57
3d quarter	280.52	368.22	340.23	311.35	341.46	285.70	380.13	0	1,053.33	306.99
4th quarter	316.57	345.83	333.05	293.47	335.59	300.19	280.99	0	680.00	293.33
1985 average	290.70	359.82	338.61	301.97	342.31	281.93	342.02	0	489.64	299.66
1986:										
1st quarter	281.93	386.01	345.84	269.80	346.58	258.19	344.24	0	666.67	298.86
2d quarter										
3d quarter										
4th quarter										
1986 average										

1/ State averages as presented here for Washington and Oregon do not agree with those in table 11 because customs districts as used in table 11 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 15--Volume and average value of softwood log exports from Alaska ports by destination, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
	To all countries	
1975	29,011	307.97
1976	26,197	224.59
1977	52,377	263.54
1978	68,025	320.45
1979	128,597	470.97
1980	160,523	532.56
1981	149,187	480.54
1982	241,123	478.49
1983	262,219	425.55
1984	231,544	396.66
1985:		
1st quarter	19,076	319.59
2d quarter	81,716	414.26
3d quarter	101,603	386.06
4th quarter	96,795	378.60
1985 total and average value	299,190	387.11
1986:		
1st quarter	30,639	393.87
2d quarter		
3d quarter		
4th quarter		
1986 total and average value		
	To Japan	
1975	24,311	352.29
1976	20,741	253.18
1977	46,897	278.99
1978	57,653	343.49
1979	120,753	475.21
1980	156,275	533.22
1981	141,209	491.44
1982	219,700	486.71
1983	211,705	452.60
1984	202,238	415.51
1985:		
1st quarter	11,019	394.39
2d quarter	72,743	440.56
3d quarter	85,750	408.46
4th quarter	80,708	406.63
1985 total and average value	250,220	416.58
1986:		
1st quarter	26,204	436.13
2d quarter		
3d quarter		
4th quarter		
1986 total and average value		
	To Mainland China	
1981	3,205	377.57
1982	0	--
1983	15,591	305.16
1984	0	--
1985:		
1st quarter	2,113	352.67
2d quarter	0	--
3d quarter	0	--
4th quarter	0	--
1985 total and average value	2,113	352.67
1986:		
1st quarter	0	--
2d quarter		
3d quarter		
4th quarter		
1986 total and average value		

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 16--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars)

Year and quarter	Washington Customs District		Oregon Customs District		Alaska Customs District		San Francisco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
To all countries								
1975	1,599	637,455	73	103,519	0	--	3,911	780,853
1976	3,750	1,646,972	236	136,188	0	--	659	1,239,777
1977	2,735	2,117,386	189	87,839	0	--	1,396	2,751,996
1978	2,362	2,190,449	75	91,486	11	19,250	1,772	4,088,466
1979	2,597	2,216,256	341	420,741	138	253,716	1,272	3,049,981
1980	6,826	5,153,711	2,026	764,511	186	44,960	900	2,260,961
1981	3,416	3,173,191	439	470,373	0	--	683	1,422,547
1982	3,788	2,894,801	335	217,463	0	--	623	1,364,227
1983	4,442	2,629,711	374	170,853	0	--	241	228,307
1984	5,918	3,762,641	537	1,020,322	31	52,163	302	650,290
1985:								
1st quarter	1,445	1,292,682	489	449,838	0	--	93	195,168
2d quarter	703	854,219	284	629,664	0	--	126	103,443
3d quarter	972	503,351	56	107,435	0	--	3	10,400
4th quarter	904	1,176,682	261	97,352	0	--	12	18,500
1985 total	4,024	3,826,934	1,090	1,284,289	0	--	234	327,511
1986:								
1st quarter	2,777	2,798,454	1,306	845,636	0	--	33	58,393
2d quarter								
3d quarter								
4th quarter								
1986 total								
To Japan								
1975	1,210	562,583	14	9,039	0	--	3,803	636,796
1976	3,313	1,416,317	235	134,988	0	--	456	1,005,649
1977	1,444	1,179,616	17	33,347	0	--	1,063	2,300,667
1978	1,178	819,332	57	84,025	0	--	1,248	3,059,204
1979	1,824	1,153,644	300	359,119	74	188,389	1,059	2,339,089
1980	4,786	1,969,245	1,964	726,891	182	42,200	579	1,532,496
1981	2,037	2,162,473	229	264,161	0	--	310	742,998
1982	1,465	1,212,079	35	64,504	0	--	417	911,992
1983	1,256	918,408	229	81,616	0	--	61	99,250
1984	3,260	1,272,395	398	757,459	0	--	218	433,562
1985:								
1st quarter	538	434,347	83	202,223	0	--	32	73,894
2d quarter	134	127,813	242	487,582	0	--	58	79,090
3d quarter	12	8,200	52	95,035	0	--	0	--
4th quarter	284	434,524	61	27,352	0	--	0	--
1985 total	968	1,004,884	438	812,192	0	--	90	152,984
1986:								
1st quarter	947	728,313	1,286	838,036	0	--	0	--
2d quarter								
3d quarter								
4th quarter								
1986 total								
To Mainland China								
1980	6	2,800	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	45	45,000	0	--	0	--	0	--
1983	0	--	100	22,500	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	59	14,963	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1985 total	0	--	59	14,963	0	--	0	--
1986:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter								
3d quarter								
4th quarter								
1986 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 17--Log exports from southern California ports, by species, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Other softwoods	Hardwoods
1975	288	11	224	53
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	797	281	211	305
1983	674	0	31	643
1984	2,618	4	624	1,990
1985:				
1st quarter	346	0	37	309
2d quarter	516	9	179	328
3d quarter	529	0	253	276
4th quarter	601	0	310	291
1985 total	1,992	9	779	1,204
1986:				
1st quarter	1,989	67	869	1,053
2d quarter				
3d quarter				
4th quarter				
1986 total				

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 18--Volume and average value of softwood log exports to Canada from the Montana Customs District, 1975-86 1/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	All species		Douglas-fir		Other softwoods	
	Volume	Value	Volume	Value	Volume	Value
1975	739	226.93	72	274.78	667	221.76
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	--	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985:						
1st quarter	340	250.57	0	--	340	250.57
2d quarter	73	302.85	0	--	73	302.85
3d quarter	62	317.79	49	336.90	13	245.77
4th quarter	0	--	0	--	0	--
1985 total and average value	475	267.38	49	336.90	426	259.38
1986:						
1st quarter	88	241.92	0	--	88	241.92
2d quarter						
3d quarter						
4th quarter						
1986 total and average value						

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 19--Log exports from British Columbia ports, by species and destination, 1975-86 1/

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	85,082	2,406	18,914	19,373	41,416	1,505	2,188
1976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
1977	186,511	10,085	118,085	36,048	19,835	754	1,704
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	2/ 705,487	132,718	382,809	41,112	80,871	54,293	2/ 13,684
1985:							
1st quarter	206,368	20,766	115,693	8,820	16,774	36,916	7,399
2d quarter	66,814	1,812	20,418	9,056	9,419	24,119	1,990
3d quarter	144,832	3,125	75,857	9,116	38,979	16,864	891
4th quarter	114,941	4,189	52,354	4,633	16,547	36,290	928
1985 total	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							
			To Japan				
1975	61,728	1,460	10,477	7,696	39,470	1,253	1,372
1976	67,192	792	17,026	7,343	39,905	470	1,656
1977	109,301	5,106	65,092	23,413	15,489	201	0
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36,157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	2/ 406,680	88,349	174,230	29,619	69,434	39,208	2/ 5,840
1985:							
1st quarter	131,179	7,626	69,694	7,129	15,699	30,899	132
2d quarter	40,344	921	8,603	3,026	7,753	19,615	426
3d quarter	78,314	3,016	45,655	1,605	19,714	8,307	17
4th quarter	71,627	1,010	40,666	1,671	11,731	16,200	349
1985 total	321,464	12,573	164,618	13,431	54,897	75,021	924
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							

Table 19--Log exports from British Columbia ports, by species and destination, 1975-86 1/ (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States				
1975	23,354	946	7,717	11,677	1,946	252	816
1976	48,911	4,598	22,043	14,558	1,964	2,876	2,872
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	2/ 110,263	8,167	73,102	6,867	8,426	8,752	2/ 4,979
1985:							
1st quarter	9,992	4	6,052	98	728	2,773	337
2d quarter	17,346	891	4,260	6,030	1,562	3,484	1,119
3d quarter	45,068	109	17,487	5,922	18,637	2,572	341
4th quarter	23,109	0	2,274	911	3,061	16,295	568
1985 total	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							
			To Mainland China				
1982	46,689	38,463	0	0	3,787	0	8,911
1983	110,354	57,913	0	0	3,096	5,286	44,059
1984	2/ 171,705	35,869	122,460	0	3,001	6,333	2/ 4,102
1985:							
1st quarter	51,427	13,082	28,616	0	0	2,799	6,930
2d quarter	8,575	0	7,555	0	0	1,020	0
3d quarter	19,914	0	12,715	381	628	5,763	427
4th quarter	18,357	3,177	9,402	387	1,596	3,795	0
1985 total	98,273	16,259	58,288	768	2,224	13,377	7,357
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							

1/ Figures do not include shipments of pulpwood logs.

2/ Incomplete; does not include all "Hardwoods."

NA = not available.

Source: Bureau of Economics and Statistics, Department of Economic Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

Table 20--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1975-86

(Volume in thousand board feet, Scribner scale;
value in dollars per thousand board feet)

Year and quarter	Volume	Average value
1975	55,494	207.13
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981	33,985	319.77
1982	59,492	313.27
1983	76,674	225.58
1984	65,067	135.12
1985:		
1st quarter	13,744	237.18
2d quarter	18,149	312.27
3d quarter	11,379	247.84
4th quarter	5,382	312.13
1985 total and average value	48,654	275.97
1986:		
1st quarter	237	311.74
2d quarter		
3d quarter		
4th quarter		
1986 total and average value		

Source: U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 21--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1975-86

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Value	Volume	Value
	Short tons 1/	Dollars	Cords 2/	Dollars
1975	493,761	23.36	11,517	42.90
1976	877,550	20.98	1,967	32.14
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985:				
1st quarter	209,758	27.29	0	--
2d quarter	177,570	30.78	0	--
3d quarter	189,900	27.50	0	--
4th quarter	150,218	23.80	0	--
1985 total and average value	727,446	27.48	0	--
1986:				
1st quarter	199,189	25.36	0	--
2d quarter				
3d quarter				
4th quarter				
1986 total and average value				

1/ Short tons are on a dry weight basis.

2/ Cords are on a green weight basis.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 22--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1975-86

(In short tons, on a dry weight basis; average value in dollars per short ton)

Year and quarter	Washington Customs District		Oregon Customs District		San Francisco Customs District		Alaska Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985:								
1st quarter	67,551	80.40	422,788	74.53	68,126	68.40	0	--
2d quarter	54,056	75.52	416,802	75.91	86,643	77.44	0	--
3d quarter	103,586	73.03	393,944	73.39	89,643	69.32	0	--
4th quarter	50,861	77.60	392,956	72.90	57,735	68.67	0	--
1985 total and average value	276,054	76.16	1,626,490	74.22	302,147	71.31	0	--
1986:								
1st quarter	91,810	81.31	325,281	73.95	58,494	68.64	0	--
2d quarter								
3d quarter								
4th quarter								
1986 total and average value								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 23--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	616,883	415,152	125,529	76,202	263,754	151,681	52,064	60,009	353,129	263,471	73,465	16,193
1976	698,941	478,100	145,645	75,196	311,599	155,041	94,581	61,977	387,342	323,059	51,064	13,219
1977	549,059	372,609	125,479	50,971	256,703	123,783	92,364	40,556	292,356	248,826	33,115	10,415
1978	585,588	374,032	135,156	76,400	310,100	128,895	118,094	63,111	275,488	245,137	17,062	13,289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211,030	103,858	426,322	328,378	69,031	28,907
1980	984,882	449,123	338,487	197,272	521,728	106,671	270,706	144,351	463,154	342,452	67,781	52,921
1981	933,739	451,075	268,024	214,640	467,886	139,070	173,000	155,816	465,853	312,005	95,024	58,824
1982	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
1984	949,509	496,419	257,628	195,462	423,477	121,404	161,660	140,413	526,032	375,015	95,968	55,049
1985:												
1st qtr.	231,430	106,390	80,962	44,078	109,014	25,043	52,062	31,909	122,416	81,347	28,900	12,169
2d qtr.	225,957	117,879	64,082	43,996	97,304	29,336	35,730	32,238	128,653	88,543	28,352	11,758
3d qtr.	207,094	100,942	62,248	43,904	99,140	25,200	40,039	33,901	107,954	75,742	22,209	10,003
4th qtr.	241,389	101,325	94,852	45,212	118,798	26,163	56,634	36,001	122,591	75,162	38,218	9,211
1985 total	905,870	426,536	302,144	177,190	424,256	105,742	184,465	134,049	481,614	320,794	117,679	43,141
1986:												
1st qtr.	277,468	121,377	106,432	49,659	156,976	40,714	76,644	39,618	120,492	80,663	29,788	10,041
2d qtr.												
3d qtr.												
4th qtr.												
1986 total												
					To Japan							
1975	208,160	96,307	96,610	15,243	89,489	40,991	45,359	3,139	118,671	55,316	51,251	12,104
1976	186,628	68,927	107,884	9,817	127,553	39,430	80,891	7,232	59,075	29,497	26,993	2,585
1977	145,386	40,945	93,719	10,722	108,468	20,845	80,161	7,462	36,918	20,100	13,558	3,260
1978	163,233	36,429	108,610	18,194	141,963	25,609	103,056	13,289	21,270	10,820	5,554	4,896
1979	355,840	75,567	227,702	52,571	258,444	45,549	177,239	35,656	97,396	30,018	50,463	16,915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985:												
1st qtr.	122,149	23,806	74,152	24,191	76,575	10,508	49,015	17,052	45,574	13,298	25,137	7,139
2d qtr.	99,351	21,938	57,055	20,358	51,870	6,110	32,453	13,307	47,481	15,828	24,602	7,051
3d qtr.	103,631	21,500	58,890	23,241	56,993	4,823	36,819	15,351	46,638	16,677	22,071	7,890
4th qtr.	146,989	30,284	91,578	25,127	81,433	9,489	53,918	18,026	65,556	20,795	37,660	7,101
1985 total	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986:												
1st qtr.	155,743	32,239	99,769	23,735	99,359	13,155	70,526	15,678	56,384	19,084	29,243	8,057
2d qtr.												
3d qtr.												
4th qtr.												
1986 total												

Table 23--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/ (continued)

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1975	113,213	61,099	4,299	47,815	112,783	61,099	3,869	47,815	0	0	0	0
1976	101,633	50,327	6,737	44,569	101,633	50,327	6,737	44,569	0	0	0	0
1977	76,251	45,842	3,695	26,714	76,251	45,842	3,695	26,714	0	0	0	0
1978	117,969	69,852	9,241	38,876	117,930	69,813	9,241	38,876	39	39	0	0
1979	113,977	38,917	18,870	56,190	113,977	38,917	18,870	56,190	0	0	0	0
1980	159,658	54,876	26,325	78,457	159,658	54,876	26,325	78,457	0	0	0	0
1981	213,594	91,861	20,598	101,135	213,594	91,861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	0
1984	109,979	45,625	7,559	56,795	109,979	45,625	7,559	56,795	0	0	0	0
1985:												
1st qtr.	24,386	10,670	1,329	12,387	24,386	10,670	1,329	12,387	0	0	0	0
2d qtr.	34,116	16,772	1,797	15,547	34,116	16,772	1,797	15,547	0	0	0	0
3d qtr.	33,256	15,134	1,654	16,468	33,241	15,119	1,654	16,468	15	15	0	0
4th qtr.	27,127	10,269	1,347	15,511	27,127	10,269	1,347	15,511	0	0	0	0
1985 total	118,885	52,845	6,127	59,913	118,870	52,830	6,127	59,913	15	15	0	0
1986:												
1st qtr.	37,119	15,527	1,512	20,080	37,119	15,527	1,512	20,080	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1986 total												
					To Mainland China							
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985:												
1st qtr.	7,345	6,750	0	595	0	0	0	0	7,345	6,750	0	595
2d qtr.	10,056	7,248	2,808	0	0	0	0	0	10,056	7,248	2,808	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	89	0	0	89	89	0	0	89	0	0	0	0
1985 total	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986:												
1st qtr.	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
2d qtr.												
3d qtr.												
4th qtr.												
1986 total												

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 24--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	263.14	283.95	206.11	243.68	220.36	228.52	191.93	224.40	295.09	315.86	216.16	315.10
1976	318.61	350.52	220.15	306.38	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.34
1977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.70
1983	346.29	383.95	306.32	311.15	301.26	297.07	317.28	284.66	399.31	420.63	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985:												
1st qtr.	328.50	367.89	281.88	319.07	298.47	300.44	297.82	297.98	355.25	388.65	253.17	374.39
2d qtr.	336.08	376.01	284.65	304.01	299.08	314.88	305.63	277.45	364.06	396.26	258.21	376.86
3d qtr.	343.05	375.86	314.06	308.72	323.71	356.15	328.26	294.21	360.81	382.41	288.47	357.87
4th qtr.	331.73	370.92	300.41	309.60	312.16	322.28	323.27	287.34	350.69	387.85	266.54	396.60
1985 average	334.58	372.74	294.92	310.35	308.34	323.13	313.75	289.23	357.69	389.09	265.39	375.97
1986:												
1st qtr.	382.98	373.67	296.40	205.69	306.07	344.08	301.45	275.95	362.99	388.61	283.43	393.20
2d qtr.												
3d qtr.												
4th qtr.												
1986 average												
					To Japan							
1975	188.89	155.39	202.62	313.48	188.14	167.70	182.71	533.56	189.45	146.27	220.23	256.41
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
1977	243.68	249.38	240.35	250.06	246.50	266.64	240.37	256.19	235.40	231.45	240.28	239.31
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985:												
1st qtr.	294.36	307.77	285.74	307.59	269.09	269.31	297.20	309.39	291.46	338.15	263.40	303.30
2d qtr.	299.00	337.64	283.34	301.27	298.45	296.01	300.40	294.83	299.61	353.70	260.84	313.42
3d qtr.	310.97	292.04	311.71	326.59	326.91	312.55	325.60	334.58	291.48	286.10	288.55	311.05
4th qtr.	296.95	262.63	299.35	329.56	317.66	279.15	322.29	324.07	271.22	255.10	266.50	343.49
1985 average	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986:												
1st qtr.	306.40	312.30	294.91	346.69	309.79	326.41	300.17	339.12	300.43	302.57	282.23	361.43
2d qtr.												
3d qtr.												
4th qtr.												
1986 average												

Table 24--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/ (continued)

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
To Canada												
1975	189.59	200.09	199.95	175.20	189.59	200.09	199.95	175.20	--	--	--	--
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11	--	--	--	--
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43	--	--	--	--
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	--	--	--	--
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985:												
1st qtr.	265.41	288.51	349.49	236.49	265.41	288.51	349.49	236.49	--	--	--	--
2d qtr.	264.78	290.07	348.60	227.80	264.78	290.07	348.60	227.80	--	--	--	--
3d qtr.	274.04	313.53	350.39	230.08	273.90	313.25	350.39	230.08	590.00	590.00	--	--
4th qtr.	258.61	296.99	317.23	228.12	258.61	296.99	317.23	228.12	--	--	--	--
1985 average	266.09	297.82	342.38	230.30	266.05	297.74	342.38	230.30	590.00	590.00	--	--
1986:												
1st qtr.	261.44	310.45	355.23	216.47	261.44	310.45	355.23	283.68	--	--	--	--
2d qtr.												
3d qtr.												
4th qtr.												
1986 average												
To Mainland China												
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	--
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985:												
1st qtr.	300.60	276.52	--	573.71	--	--	--	--	300.60	276.52	--	573.71
2d qtr.	252.09	248.75	260.70	--	--	--	--	--	252.09	248.75	260.70	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	464.35	--	--	464.35	464.35	--	--	464.35	--	--	--	--
1985 average	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986:												
1st qtr.	203.99	216.34	186.87	202.56	186.87	--	186.87	--	216.00	216.34	--	202.56
2d qtr.												
3d qtr.												
4th qtr.												
1986 average												

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 25--Softwood lumber exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
		To all countries		
1975	27,628	13,388	636	13,604
1976	40,585	14,430	462	25,693
1977	44,438	18,951	1,137	24,350
1978	32,919	12,931	684	19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982	52,717	13,855	7,536	31,326
1983	43,280	18,583	5,619	19,078
1984	23,203	10,250	617	12,336
1985:				
1st quarter	7,311	3,741	212	3,358
2d quarter	8,137	4,251	37	3,849
3d quarter	9,102	3,806	281	5,015
4th quarter	8,371	3,542	337	4,492
1985 total	32,921	15,340	867	16,714
1986:				
1st quarter	12,768	6,899	542	5,327
2d quarter				
3d quarter				
4th quarter				
1986 total				
		To Japan		
1975	4,303	337	0	3,966
1976	5,724	168	396	5,160
1977	7,766	1,354	0	6,412
1978	6,763	107	200	6,456
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982	38,213	7,285	6,581	24,347
1983	22,157	2,233	5,414	14,510
1984	10,127	345	321	9,461
1985:				
1st quarter	3,100	0	142	2,958
2d quarter	3,140	0	37	3,103
3d quarter	4,140	0	211	3,929
4th quarter	4,414	282	318	3,814
1985 total	14,794	282	708	13,804
1986:				
1st quarter	5,019	26	505	4,488
2d quarter				
3d quarter				
4th quarter				
1986 total				
		To Mainland China		
1981	93	0	0	93
1982	22	17	0	5
1983	0	0	0	0
1984	0	0	0	0
1985:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter	0	0	0	0
1985 total	0	0	0	0
1986:				
1st quarter	0	0	0	0
2d quarter				
3d quarter				
4th quarter				
1986 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Table 26--Softwood lumber exports from southern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Other softwoods
	To all countries		
1975	56,759	23,596	33,163
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	71,212	7,491	63,721
1983	35,727	2,603	33,124
1984	78,696	2,979	75,717
1985:			
1st quarter	15,150	238	14,912
2d quarter	23,214	365	22,849
3d quarter	27,301	826	26,475
4th quarter	30,270	638	29,632
1985 total	95,935	2,067	93,868
1986:			
1st quarter	27,261	528	26,733
2d quarter			
3d quarter			
4th quarter			
1986 total			
	To Japan		
1975	119	--	119
1976	377	--	377
1977	172	73	99
1978	471	--	471
1979	739	--	739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982	290	12	278
1983	2,699	22	2,677
1984	410	0	410
1985:			
1st quarter	40	0	40
2d quarter	40	0	40
3d quarter	69	0	69
4th quarter	0	0	0
1985 total	149	0	149
1986:			
1st quarter	15	0	15
2d quarter			
3d quarter			
4th quarter			
1986 total			

1/ Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 27--Softwood lumber exports from Alaska ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total	Western hemlock	Sitka spruce	Cedar	Other softwoods
			To all countries		
1975	313,307	179,398	132,556	1,353	0
1976	290,011	134,387	148,526	1,298	5,800
1977	250,044	122,544	121,350	5,579	571
1978	237,795	126,218	111,435	53	89
1979	278,462	172,005	103,844	479	2,134
1980	256,716	158,682	96,607	105	1,322
1981	195,981	104,974	91,007	0	0
1982	171,966	75,500	94,805	0	1,661
1983	136,660	70,791	64,193	0	1,676
1984	120,874	75,445	44,915	0	514
1985:					
1st quarter	31,001	19,971	11,030	0	0
2d quarter	27,802	18,609	9,193	0	0
3d quarter	22,049	15,005	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	87,127	59,426	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter					
3d quarter					
4th quarter					
1986 total					
			To Japan		
1975	312,976	179,122	132,501	1,353	0
1976	289,197	134,274	148,221	902	5,800
1977	245,445	122,471	121,083	1,391	500
1978	236,615	125,355	111,207	53	0
1979	273,615	170,149	101,408	435	1,623
1980	251,369	156,654	94,610	105	0
1981	161,794	82,753	79,041	0	0
1982	155,826	71,192	83,966	0	668
1983	119,662	64,250	53,814	0	1,598
1984	117,425	72,805	44,620	0	0
1985:					
1st quarter	30,716	19,686	11,030	0	0
2d quarter	27,611	18,418	9,193	0	0
3d quarter	21,379	14,335	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	85,981	58,280	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter					
3d quarter					
4th quarter					
1986 total					
			To Mainland China		
1981	27,149	18,428	8,721	0	0
1982	13,153	3,307	9,846	0	0
1983	12,254	6,428	5,826	0	0
1984	0	0	0	0	0
1985:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter	0	0	0	0	0
1985 total	0	0	0	0	0
1986:					
1st quarter	0	0	0	0	0
2d quarter					
3d quarter					
4th quarter					
1986 total					

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 28--Softwood lumber exports to Canada from the Montana Customs District, 1975-86 1/

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982	47,418	8,595	690	38,133
1983	69,222	12,534	852	55,836
1984	57,574	7,898	683	48,993
1985:				
1st quarter	7,298	1,659	15	5,624
2d quarter	9,684	2,517	133	7,034
3d quarter	10,020	2,421	112	7,487
4th quarter	7,524	1,985	134	5,405
1985 total	34,526	8,582	394	25,550
1986:				
1st quarter	9,152	1,958	46	7,148
2d quarter				
3d quarter				
4th quarter				
1986 total				

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

Table 29--Lumber exports from British Columbia ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	3,001,410	356,371	1,113,665	295,218	825,527	409,507	1,122
1976	4,670,033	542,197	1,967,446	467,829	1,191,429	499,853	1,279
1977	5,860,807	683,614	2,364,028	533,267	2,269,876	8,796	1,226
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	1/1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985:							
1st quarter	1,376,844	119,880	555,574	200,198	52,916	447,701	575
2d quarter	1,572,948	176,669	540,403	244,907	56,080	554,090	799
3d quarter	1,445,216	173,420	525,029	207,947	47,730	490,060	1,030
4th quarter	1,461,701	136,483	545,411	210,242	60,614	508,450	501
1985 total	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							
			To Japan				
1975	407,674	12,870	301,336	60,490	30,488	2,405	85
1976	633,863	13,727	476,927	79,934	61,743	1,521	11
1977	705,823	18,530	530,567	90,447	65,943	85	251
1978	779,135	23,799	545,983	116,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985:							
1st quarter	246,874	9,887	140,300	33,724	23,077	39,734	152
2d quarter	257,074	14,748	141,585	34,895	22,622	42,995	229
3d quarter	202,368	13,138	116,043	25,609	16,096	31,317	165
4th quarter	289,345	19,204	181,136	34,322	24,792	29,845	46
1985 total	995,661	56,977	579,064	128,550	86,587	143,891	592
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							

Table 29--Lumber exports from British Columbia ports, by species and destination, 1975-86 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States 2/				
1975	2,026,343	238,331	542,256	166,949	684,404	393,391	1,012
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985:							
1st quarter	862,485	67,960	276,248	148,040	29,224	340,614	399
2d quarter	1,112,808	108,113	314,696	196,659	32,722	460,128	490
3d quarter	1,054,071	112,404	339,837	167,914	30,266	402,917	733
4th quarter	927,245	63,956	252,108	156,284	34,767	419,689	441
1985 total	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							
			To Mainland China				
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985:							
1st quarter	20,601	0	20,601	0	0	0	0
2d quarter	25,677	0	25,677	0	0	0	0
3d quarter	18,487	672	17,815	0	0	0	0
4th quarter	39,516	0	39,516	0	0	0	0
1985 total	104,281	672	103,609	0	0	0	0
1986:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1986 total							

1/ Incomplete; does not include all "Other softwoods" or "Hardwoods."

2/ Figures do not include shipments of railroad crossties.

NA = not available.

Source: Bureau of Economics and Statistics, Department of Economic Development, Trade, and Commerce, Victoria, B.C., "Preliminary Statement of External Trade."

Table 30--Plywood exports from Washington and Oregon ports, by origin and destination, 1975-86

(In thousand square feet)

Year and quarter	From both customs districts		From Washington Customs District		From Oregon Customs District	
	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
To all countries						
1975	407,117	10,493	93,951	10,360	313,166	133
1976	532,576	24,229	34,020	23,846	498,556	383
1977	233,762	17,673	20,603	17,447	213,159	226
1978	242,105	12,160	23,284	8,871	218,821	3,289
1979	330,018	9,962	27,132	9,644	302,886	318
1980	279,003	9,718	20,747	8,806	258,256	912
1981	327,967	18,645	65,729	17,333	262,238	1,312
1982	221,609	9,435	36,268	9,346	185,341	89
1983	322,386	16,541	38,008	16,320	284,378	221
1984	156,715	9,140	23,663	9,126	133,052	284
1985:						
1st quarter	31,896	2,453	5,035	2,453	26,861	0
2d quarter	10,319	2,649	3,440	2,511	6,879	138
3d quarter	10,621	1,198	2,717	1,198	7,904	0
4th quarter	41,840	3,574	4,499	3,041	37,341	533
1985 total	94,676	9,874	15,691	9,203	78,985	671
1986:						
1st quarter	62,589	1,200	3,650	1,200	58,939	0
2d quarter						
3d quarter						
4th quarter						
1986 total						
To Japan						
1975	2,141	14	414	0	1,727	14
1976	2,361	61	498	61	1,863	0
1977	1,914	162	122	74	1,792	88
1978	2,821	18	167	18	2,654	0
1979	6,040	108	931	108	5,109	0
1980	8,301	978	4,158	978	4,143	0
1981	5,056	13	2,162	12	2,894	1
1982	6,720	19	3,152	19	3,568	0
1983	5,680	16	3,973	0	1,707	16
1984	6,429	0	2,054	0	4,375	0
1985:						
1st quarter	1,937	44	668	44	1,269	0
2d quarter	1,509	178	357	40	1,152	138
3d quarter	1,396	0	238	0	1,158	0
4th quarter	1,208	533	47	0	1,161	533
1985 total	6,050	755	1,310	84	4,740	671
1986:						
1st quarter	1,966	0	540	0	1,426	0
2d quarter						
3d quarter						
4th quarter						
1986 total						
To Mainland China						
1982	0	1	0	1	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	0	0
4th quarter	0	0	0	0	0	0
1985 total	0	0	0	0	0	0
1986:						
1st quarter	0	0	0	0	0	0
2d quarter						
3d quarter						
4th quarter						
1986 total						

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 31--Plywood exports from California, 1975-86 1/

(In thousand square feet)

Year and quarter	Total	Northern California		Southern California	
		Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
1975	19,619	7,874	542	6,311	4,892
1976	19,696	10,085	92	4,681	5,111
1977	9,198	5,148	646	1,818	1,586
1978	6,036	2,833	899	964	1,340
1979	5,934	1,638	871	1,946	1,479
1980	9,054	1,414	849	3,546	3,245
1981	9,349	2,424	487	2,830	3,608
1982	7,464	3,026	1,364	1,557	1,517
1983	8,128	3,442	974	1,330	2,382
1984	9,405	2,608	513	1,629	4,655
1985:					
1st quarter	1,891	513	98	143	1,137
2d quarter	3,083	744	95	540	1,704
3d quarter	5,773	3,018	88	681	1,986
4th quarter	4,731	1,964	44	356	2,367
1985 total	15,478	6,239	325	1,720	7,194
1986:					
1st quarter	8,979	1,467	15	1,896	5,601
2d quarter					
3d quarter					
4th quarter					
1986 total					

1/ Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown.

Table 32--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 1st qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Montana:											
U.S. Forest Service 1/	536,133	547,509	589,875	457,599	552,665	158,712	84,140				
U.S Bur. Land Manage. 2/	9,061	6,265	16,375	4,647	7,940	455	2,714				
U.S. Bur. Indian Affairs	24,693	17,198	13,136	23,891	144,386	2,786	795				
State of Montana	28,853	25,470	23,553	22,095	23,280	10,633	4,769				
Total	598,740	596,442	642,939	508,232	728,271	172,586	92,418				
Idaho:											
U.S. Forest Service 1/	741,147	687,320	686,650	674,122	704,023	183,737	140,029				
U.S. Bur. Land Manage. 2/	33,221	11,538	12,133	2,302	10,990	30	7,194				
U.S. Bur. Indian Affairs	14,484	7,070	8,605	6,850	2,315	1,146	784				
State of Idaho	14,820	38,727	82,674	181,552	127,863	13,410	22,659				
Total	803,672	744,655	790,062	864,826	845,191	198,792	170,666				
All public lands:											
U.S. Forest Service 1/	1,277,280	1,234,829	1,276,525	1,131,721	1,256,688	342,449	224,169				
U.S. Bur. Land Manage. 2/	42,282	17,803	28,508	6,949	19,399	954	9,908				
U.S. Bur. Indian Affairs	39,177	24,268	21,741	30,741	273,256	3,932	1,579				
State of Montana	28,853	25,470	23,553	22,095	23,280	10,633	4,769				
State of Idaho	14,820	38,727	82,674	181,552	127,863	13,410	22,659				
Total	1,402,412	1,341,097	1,433,001	1,373,058	1,700,486	371,378	263,084				

1/ Convertible products only.

2/ Does not include cull log sales.

Source: respective agencies listed.

Table 33–Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985		1986				
					Average	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
Montana:											
U.S. Forest Service 1/	57.46	29.80	33.97	27.12	23.30	27.55	23.41				
U.S. Bur. Land Manage. 2/	39.52	32.17	22.78	27.46	16.71	13.96	23.83				
U.S. Bur. Indian Affairs	65.05	73.50	51.13	34.08	5.64	35.83	81.50				
State of Montana	99.28	81.39	83.70	72.37	79.34	88.03	60.40				
Average	59.52	33.28	35.86	29.42	21.52	31.37	25.83				
Idaho:											
U.S. Forest Service 1/	43.27	28.28	47.13	46.45	23.74	26.62	22.89				
U.S. Bur. Land Manage. 2/	55.45	26.71	75.56	96.26	40.25	22.00	21.38				
U.S. Bur. Indian Affairs	83.15	78.79	78.71	82.36	68.92	50.00	94.71				
State of Idaho	101.83	45.28	71.04	63.18	61.31	87.71	60.87				
Average	44.88	29.62	50.41	50.38	29.76	30.86	28.20				
All public lands:											
U.S. Forest Service 1/	49.22	28.95	41.05	38.63	23.56	27.05	23.08				
U.S. Bur. Land Manage. 2/	38.92	28.63	45.24	50.25	30.07	16.01	22.05				
U.S. Bur. Indian Affairs	71.74	75.04	62.04	44.84	3.99	39.96	88.06				
State of Montana	99.28	81.39	83.70	72.37	79.34	88.03	60.40				
State of Idaho	101.83	45.28	71.04	63.18	61.31	87.71	60.87				
Average	51.13	31.25	43.88	42.62	24.08	31.10	27.37				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Does not include cull log prices.

Source: respective agencies listed.

Table 34--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1975	14.40	22.40	36.20	19.20	10.90	2.00	42.50	20.30	4.80	18.30
1976	23.00	56.80	91.40	16.70	42.20	9.60	45.80	52.90	9.30	35.40
1977	41.50	96.60	122.70	38.30	61.40	11.90	72.00	72.20	20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	69.60	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	60.90	28.30	37.70	36.20
1983	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70
1984	46.90	66.50	104.90	37.30	39.00	44.50	106.70	49.50	45.00	49.20
1985	34.10	58.70	108.30	28.40	37.70	35.70	91.50	35.00	32.70	37.80
1986:										
1st quarter	29.90	45.00	16.70	33.20	24.90	9.90	38.00	30.60	16.90	27.00
2d quarter										
3d quarter										
4th quarter										
1986 average										

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

Table 35--Volume of timber sold on publicly owned or managed lands in California, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	1,899,263	1,617,664	1,786,681	1,490,204	3,055,699	431,639	351,501				
U.S. Bur. Land Manage. 2/	14,471	33,385	8,919	13,140	16,616	5,881	187				
U.S. Bur. Indian Affairs	11,000	63,595	3,000	3,634	4,342	2,883	14,533				
State of California	10,480	34,726	31,452	33,529	27,232	16,121	21,274				
Total	1,935,214	1,749,370	1,830,052	1,540,507	3,103,889	456,524	387,495				

1/ Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 36--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985		1986				
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/ 2/	149.78	53.87	70.66	61.08	55.40	50.15	76.36				
U.S. Bur. Land Manage. 3/	84.26	41.10	78.47	63.21	48.16	35.76	13.51				
U.S. Bur. Indian Affairs	224.73	153.90	110.00	48.24	89.98	123.89	63.75				
State of California	190.57	133.93	188.59	174.30	131.16	111.02	105.82				
Average	180.70	58.86	72.79	63.53	56.07	52.58	77.47				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 37--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985:							
1st quarter	64.00	83.60	93.10	26.30	58.90	31.90	60.80
2d quarter	61.30	109.10	94.60	50.20	79.60	25.90	61.40
3d quarter	64.20	88.60	113.30	10.10	170.80	42.60	75.90
4th quarter	53.80	179.90	176.00	5.50	66.30	33.50	98.20
1985 average	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986:							
1st quarter	61.60	145.50	151.20	31.00	63.30	31.70	84.30
2d quarter							
3d quarter							
4th quarter							
1986 average							

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

Table 38--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985 Total	1985 1st qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Western Washington:										
U.S. Forest Service 1/	1,066,085	1,153,819	996,173	699,004	239,585	252,012				
U.S. Bur. Land Manage.	0	0	0	60	0	0				
U.S. Bur. Indian Aff.	2,535	13,653	19,587	25,739	0	3,776				
State of Washington 2/	601,935	637,295	448,105	768,035	252,755	217,027				
Total	1,670,555	1,704,767	1,463,865	1,492,838	492,340	472,815				
Eastern Washington:										
U.S. Forest Service 1/	322,315	495,326	350,177	344,653	102,520	83,089				
U.S. Bur. Land Manage.	3,025	3,414	2,185	4,016	D	13				
U.S. Bur. Indian Aff.	44,583	165,656	106,603	227,939	38,634	14,679				
State of Washington 2/	89,620	62,235	60,305	98,235	22,945	27,030				
Total	459,543	726,631	519,270	674,843	164,099	124,811				
Western Oregon:										
U.S. Forest Service 1/	2,418,057	2,179,345	2,271,941	2,123,325	731,017	582,471				
U.S. Bur. Land Manage.	1,214,330	1,045,924	1,042,117	974,921	290,463	349,466				
U.S. Bur. Indian Aff. 3/	0	2,361	3,212	7,951	0	0				
State of Oregon	301,947	268,416	208,797	198,017	20,791	37,335				
Total	3,934,334	3,496,046	3,526,067	3,304,217	1,042,271	969,272				
Eastern Oregon:										
U.S. Forest Service 1/	1,164,264	1,148,349	1,279,703	1,099,194	293,303	256,483				
U.S. Bur. Land Manage.	15,197	19,212	14,078	21,627	26	0				
U.S. Bur. Indian Aff.	89,438	17,370	73,180	93,700	36,610	43,060				
State of Oregon	13,350	1,726	6,713	243	0	D				
Total	1,282,249	1,186,657	1,373,674	1,214,764	329,939	299,543				
All public lands:										
U.S. Forest Service 1/	4,970,721	4,976,839	4,897,994	4,266,176	1,366,425	1,174,055				
U.S. Bur. Land Manage.	1,232,552	1,068,550	1,058,380	1,000,624	290,489	349,479				
U.S. Bur. Indian Aff. 3/	136,556	199,040	202,582	355,329	75,244	61,515				
State of Washington 2/	691,555	699,530	508,410	866,270	275,700	244,057				
State of Oregon	315,297	270,142	215,510	198,260	20,791	37,335				
Total	7,346,681	7,214,101	6,882,876	6,686,659	2,028,649	1,866,441				

1/ Convertible products only.

2/ Excludes sales under $20,000.

3/ Siletz Reservation formed in 1980.

Source: respective agencies listed.

Table 39--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985 Total	1985 1st qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Western Washington:										
U.S. Forest Service 1/	61.48	73.84	61.92	62.47	51.74	92.62				
U.S. Bur. Land Manage.	--	--	--	95.00	--	--				
U.S. Bur. Indian Aff.	128.64	97.71	69.87	54.85	--	82.50				
State of Washington 2/	146.88	138.41	118.70	111.38	108.37	120.36				
Average	92.35	96.82	79.41	87.50	80.81	105.27				
Eastern Washington:										
U.S. Forest Service 1/	30.61	38.60	29.86	28.40	34.52	50.46				
U.S. Bur. Land Manage.	43.64	51.84	28.49	31.54	--	55.00				
U.S. Bur. Indian Aff.	191.17	127.06	157.14	1151.94	235.10	80.45				
State of Washington 2/	115.52	67.83	110.78	71.27	93.01	126.97				
Average	62.38	61.34	65.26	76.54	89.92	70.56				
Western Oregon:										
U.S. Forest Service 1/	92.44	129.33	96.70	81.91	88.21	100.56				
U.S. Bur. Land Manage.	89.40	131.14	101.19	82.32	75.64	89.27				
U.S. Bur. Indian Aff. 3/	--	170.20	126.56	156.29	--	--				
State of Oregon	117.52	165.39	129.92	133.07	119.71	138.69				
Average	93.43	132.67	100.02	85.28	85.33	97.96				
Eastern Oregon:										
U.S. Forest Service 1/	77.28	81.70	73.61	83.68	95.21	128.06				
U.S. Bur. Land Manage.	62.45	57.58	39.17	32.48	28.46	--				
U.S. Bur. Indian Aff.	82.85	140.60	109.02	86.41	106.57	101.58				
State of Oregon	111.66	59.68	120.29	92.93	--	--				
Average	56.33	82.14	75.37	82.98	96.46	124.26				
All public lands:										
U.S. Forest Service 1/	72.69	96.45	78.80	74.88	79.29	101.32				
U.S. Bur. Land Manage.	88.96	129.56	100.21	81.03	75.63	89.28				
U.S. Bur. Indian Aff. 3/	119.00	126.74	130.83	127.73	172.56	95.37				
State of Washington 2/	142.82	132.13	117.76	106.83	107.09	121.09				
State of Oregon	114.27	164.71	129.62	149.48	119.71	138.69				
Average	84.80	108.20	88.09	84.96	86.42	102.20				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Excludes sales under $20,000.

3/ Siletz Reservation formed in 1980.

Source: respective agencies listed.

Table 40--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir		Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars 2/	Larch	Noble fir and Shasta red fir	Other true firs	All species
	West side	East side												
1975	169.50	34.30	43.10	109.90	84.40	15.40	13.70	75.90	68.50	119.20	5.80	117.70	45.10	101.60
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1977	225.90	71.20	138.40	162.80	142.70	35.40	36.50	103.00	89.20	149.60	62.10	128.90	85.10	153.80
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985:														
1st quarter	124.70	37.30	151.70	163.60	140.50	21.20	17.20	90.60	50.40	140.40	35.00	53.50	39.50	101.80
2d quarter	119.60	28.70	160.00	196.90	95.30	8.90	32.80	61.20	51.90	109.80	79.40	67.80	50.20	97.90
3d quarter	129.30	28.90	181.50	191.60	79.20	15.20	16.30	65.30	42.80	117.10	41.70	55.40	35.70	98.40
4th quarter	132.80	32.40	179.30	247.30	41.10	13.10	34.70	52.40	68.80	129.20	43.60	53.60	40.10	114.20
1985 average	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986:														
1st quarter	157.50	41.90	205.00	177.90	73.60	5.90	20.70	101.00	67.10	105.50	48.90	11.90	53.70	129.40
2d quarter														
3d quarter														
4th quarter														
1986 average														

1/ Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Includes Port-Orford-cedar.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 41--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood--												
1st quarter	32,675	184.96	3,900	76.67	300	19.43	22,275	104.72	5,520	35.70	80,922	111.31
2d quarter												
3d quarter												
4th quarter												
Total and average												
Rogue River--												
1st quarter	12,080	155.43	0	--	1,150	132.84	0	--	7,080	132.84	21,685	109.81
2d quarter												
3d quarter												
4th quarter												
Total and average												
Siskiyou--												
1st quarter	35,760	89.62	0	--	0	--	280	22.49	70	30.27	44,431	80.83
2d quarter												
3d quarter												
4th quarter												
Total and average												
Siuslaw--												
1st quarter	33,172	144.74	0	--	0	--	460	68.15	0	--	35,388	138.83
2d quarter												
3d quarter												
4th quarter												
Total and average												
Umpqua--												
1st quarter	89,790	147.35	0	--	0	--	7,120	15.64	3,500	11.60	136,445	111.95
2d quarter												
3d quarter												
4th quarter												
Total and average												
Willamette--												
1st quarter	157,367	131.52	0	--	0	--	25,033	21.30	50	90.88	248,528	92.81
2d quarter												
3d quarter												
4th quarter												
Total and average												
All western Oregon:												
1st quarter	360,844	138.16	3,900	76.67	1,450	109.37	55,168	54.65	16,220	24.60	567,399	102.64
2d quarter												
3d quarter												
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	10,750	204.31	0	--	0	--	8,200	109.74	7,300	145.92	32,050	135.48
2d quarter												
3d quarter												
4th quarter												
Total and average												
Mount Baker-Snoqualmie--												
1st quarter	23,550	117.64	0	--	0	--	27,030	55.36	18,650	34.15	92,150	64.21
2d quarter												
3d quarter												
4th quarter												
Total and average												
Olympic--												
1st quarter	17,970	138.33	0	--	0	--	45,500	48.86	1,610	37.99	78,845	72.78
2d quarter												
3d quarter												
4th quarter												
Total and average												

Table 41--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	52,270	142.58	0	--	0	--	80,730	57.22	27,560	63.98	203,045	78.79
2d quarter												
3d quarter												
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	413,114	138.72	3,900	76.67	1,450	109.37	135,898	56.17	43,780	49.39	770,444	96.35
2d quarter												
3d quarter												
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	2,220	12.43	13,014	241.45	0	--	4,010	33.22	36,649	94.18
2d quarter												
3d quarter												
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	14,510	156.33	0	--	1,300	17.66	18,550	126.10
2d quarter												
3d quarter												
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	5,100	6.00	43,500	177.94	0	--	1,100	1.00	50,740	153.19
2d quarter												
3d quarter												
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	6,630	22.80	51,740	251.39	0	--	4,130	13.48	62,500	211.42
2d quarter												
3d quarter												
4th quarter												
Total and average												
Umatilla--												
1st quarter	0	--	3,700	20.78	7,300	172.95	0	--	1,400	21.56	14,730	94.13
2d quarter												
3d quarter												
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	--	4,725	33.32	7,700	37.90	0	--	4,270	32.34	25,235	24.51
2d quarter												
3d quarter												
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	0	--	16,250	241.93	0	--	3,200	2.48	36,200	109.37
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	--	20,155	22.01	141,000	224.42	0	--	19,410	18.87	244,604	1 33.86
2d quarter												
3d quarter												
4th quarter												
Total and average												

Table 41--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washington:												
Colville--												
1st quarter	0	--	3,820	58.35	300	20.86	0	--	1,770	24.81	7,902	40.22
2d quarter												
3d quarter												
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	15,088	56.96	5,275	44.74	0	--	0	--	20,363	53.80
2d quarter												
3d quarter												
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	21,360	45.93	3,520	74.48	4,180	115.25	15,840	59.62	47,590	56.12
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	40,268	51.24	9,095	55.46	4,180	115.25	17,610	56.12	75,855	53.84
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	60,423	41.49	150,095	214.19	4,180	115.25	37,020	36.59	320,459	114.92
2d quarter												
3d quarter												
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	413,114	138.72	64,323	43.63	151,545	213.18	140,078	57.94	80,800	43.52	1,090,903	101.81
2d quarter												
3d quarter												
4th quarter												
Total and average												
All of Oregon:												
1st quarter	360,844	138.16	24,055	30.87	142,450	223.25	55,168	54.65	35,630	21.48	812,003	112.04
2d quarter												
3d quarter												
4th quarter												
Total and average												
All of Washington:												
1st quarter	52,270	142.58	40,268	51.24	9,095	55.46	84,910	60.07	45,170	60.91	278,900	72.00
2d quarter												
3d quarter												
4th quarter												
Total and average												

1/ Preliminary.

2/ Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

3/ Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 42--Volume of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 1st qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
U.S. Forest Service 1/ 2/	163,700	71,429	79,994	58,411	51,110	14,459	5,888				
U.S. Bur. Land Manage.3/	32	1,270	0	0	66	0	0				
U.S. Bur. Indian Affairs	200	7,680	0	0	871	0	0				
State of Alaska	18,402	24,154	72,145	21,087	20,178	6,042	2,642				
Total	182,334	104,533	152,139	79,498	72,225	20,501	8,530				

1/ Excludes sales under $2,000.

2/ Convertible products only.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 43--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	46.91	32.03	14.82	15.95	6.97	10.37	15.07				
U.S. Bur. Land Manage.2/	34.00	28.08	--	--	9.47	--	--				
U.S. Bur. Indian Affairs	2.00	122.40	--	--	46.93	--	--				
State of Alaska	19.21	18.23	87.96	14.95	15.53	10.94	14.57				
Average	44.06	35.43	49.46	15.72	9.85	10.54	14.91				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 44--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982	39.00	14.50	35.70	32.40
1983	29.00	6.70	8.90	14.60
1984	18.83	4.67	76.32	18.86
1985:				
1st quarter	18.56	7.72	192.17	31.78
2d quarter	26.40	4.40	5.73	9.38
3d quarter	18.70	3.94	1.16	6.67
4th quarter	13.94	5.48	2.57	5.42
1985 average	18.78	5.73	29.97	13.77
1986:				
1st quarter	22.05	17.71	7.77	16.75
2d quarter				
3d quarter				
4th quarter				
1986 average				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

Table 45–Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--East side		Pacific Northwest Region--West side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume 2/	Value
1975	892.8	17.09	385.5	4.30	368.3	19.83	413.4	8.26	1,870.8	52.21	1,506.2	32.64	3,552.5	117.53	147.4	21.41
1976	872.0	32.96	290.7	7.70	293.4	33.01	290.5	16.42	1,425.0	77.87	1,134.9	60.01	2,489.3	124.41	15.8	21.80
1977	1,043.3	49.46	325.7	16.91	281.5	68.86	424.6	19.81	1,705.8	118.40	1,377.3	100.70	3,285.5	156.89	1.3	9.77
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	147.7	93.84
1981	1,033.7	57.45	417.7	8.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	165.7	46.47
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	74.0	31.37
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.5	22.25	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	80.1	14.82
1984	865.9	33.16	455.8	12.27	409.3	35.31	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	58.4	15.95
1985:																
1st qtr.	261.2	28.72	121.3	8.84	28.2	9.15	90.1	20.47	428.6	50.04	395.8	79.49	973.7	79.16	14.5	10.37
2d qtr.	292.4	27.41	172.2	8.48	65.8	18.09	73.1	11.10	401.8	49.84	346.7	67.62	628.3	72.92	8.6	8.05
3d qtr.	287.2	21.26	119.0	8.22	158.8	27.28	166.3	13.53	613.0	60.24	507.0	62.15	879.6	74.14	9.6	6.44
4th qtr.	107.6	28.77	31.1	10.34	40.2	11.48	98.8	15.85	159.3	75.01	192.5	79.50	344.8	86.25	18.4	4.09
Total or average	948.4	26.07	443.7	8.64	293.0	21.64	428.3	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986:																
1st qtr.	140.1	19.78	41.3	12.45	56.0	19.75	110.8	27.45	351.3	76.38	339.5	109.08	834.5	98.16	5.9	15.07
2d qtr.																
3d qtr.																
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern Region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

2/ Does not include long-term timber contracts.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 46--Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--East side		Pacific Northwest Region--West side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	840.3	26.85	245.1	10.60	394.0	30.35	356.7	28.19	1,508.7	45.19	1,408.3	38.12	2,356.3	71.04	413.1	8.17
1976	1,101.1	40.83	305.0	17.20	396.8	50.25	468.7	55.17	1,889.6	69.38	1,537.7	64.42	2,858.2	95.01	472.2	6.31
1977	1,008.0	43.25	311.0	16.72	412.1	52.82	431.4	51.95	1,801.3	90.81	1,393.4	86.43	2,720.2	116.41	491.3	3.82
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	54.46	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.7	16.42
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.85
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	44.06	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.8	31.14	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	249.1	14.91
1985:																
1st qtr.	156.3	38.81	73.0	14.13	42.6	42.02	38.7	30.34	129.4	76.36	351.2	130.20	466.4	116.94	26.5	10.09
2d qtr.	140.6	33.03	31.2	17.83	76.2	36.48	51.0	27.85	465.4	83.78	244.3	76.21	748.2	90.39	70.9	4.74
3d qtr.	389.5	28.76	125.1	12.61	141.1	47.35	168.6	14.72	751.3	66.17	594.1	61.15	1,035.9	86.95	76.2	-42.71
4th qtr.	305.6	47.44	142.8	12.93	166.8	49.16	179.9	14.34	469.4	71.74	586.9	90.43	733.4	65.69	92.0	-1.42
Total or average	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.28	265.6	-10.47
1986:																
1st qtr.	160.7	42.97	81.6	17.05	60.0	38.57	61.8	15.82	126.9	127.06	310.2	99.45	474.4	90.84	33.4	6.29
2d qtr.																
3d qtr.																
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

Note: Negative stumpage value caused by emergency rate redeterminations.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 47--Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1975-85

(In million board feet, Scribner log scale)

Year	Allowable cut 1/	Uncut volume under contract	Ratio
1975	1,196	1,838	1.5
1976	1,196	2,077	1.7
1977	1,183	2,066	1.7
1978	1,183	2,204	1.9
1979	1,133	2,224	2.0
1980	1,134	2,484	2.2
1981	1,120	2,608	2.3
1982	1,120	3,491	3.1
1983	1,048	3,520	3.4
1984	1,023	3,639	3.6
1985	1,000	3,498	3.5

1/ Allowable cut is defined as volume offered. This includes an estimated 17.5 million board feet for eastern Oregon.

Source: Bureau of Land Management.

Table 48--Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1975-86

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	4	13,855	0	--	5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0	--	1	15,200	7	68,250	0	--	2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0	--	10	70,450	15	76,379
1978	4	43,500	0	--	1	357	15	161,500	0	--	0	--	20	83,836
1979	5	42,760	4	2,150	11	79,460	0	--	0	--	19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0	--	18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982	10	38,460	8	9,580	8	13,440	18	30,920	0	--	12	4,400	31	16,246
1983	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905
1984	4	3,480	2	3,429	4	17,800	42	42,473	1	545	7	10,510	17	4,882
1985	4	2,896	8	45,616	6	36,960	12	8,960	4	1,060	12	5,025	18	48,940
1986:														
1st qtr.	3	1,022	2	7,214	2	16,200	0	--	0	--	2	1,060	1	130
2d qtr.														
3d qtr.														
4th qtr														
1986 total														

Year and quarter	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Siuslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
Thousand	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
		Thousand		Thousand		Thousand		Thousand		Thousand		Thousand		
1975	3	39,550	2	21,000	5	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0	--	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0	--	6	44,615	47	171,251	13	62,300	39	231,303	0	--
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29,755	15	2,951	5	32,400
1984	0	--	0	--	2	1,480	22	23,005	15	77,305	8	1,524	2	5,400
1985	0	--	2	10,200	1	250	10	11,396	9	4,980	8	2,907	1	1,300
1986:														
1st qtr.	0	--	0	--	1	1,700	0	--	0	--	4	709	0	--
2d qtr.														
3d qtr.														
4th qtr.														
1986 total														

Year and quarter	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	29	146,668	0	--	2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0	--	0	--	19	121,100	5	38,040	118	603,565
1977	29	128,705	0	--	0	--	48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0	--	0	--	33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0	--	5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19,000	206	285,052
1985	72	9,668	9	4,820	11	34,772	34	21,828	0	--	221	251,578
1986:												
1st qtr.	14	2,170	1	135	2	13,630	10	5,925	0	--	42	49,895
2d qtr.												
3d qtr.												
4th qtr.												
1986 tota												

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, first quarter 1986. Resour. Bull. PNW-137. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 58 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

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319 S.W. Pine St.
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Timber Resource Statistics for Non-Federal Forest Land in Southwest Oregon

Donald R. Gedney, Patricia M. Bassett, and Mary A. Mei

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AUTHORS

Donald R. Gedney is a resource analyst, and Patricia M. Bassett and Mary A. Mei are programmer/analysts with the Pacific Northwest Research Station, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

ABSTRACT

Gedney, Donald R.; Bassett, Patricia M.; Mei, Mary A.
Timber resource statistics for non-Federal forest land in southwest Oregon. Resour. Bull. PNW-138. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 26 p.

This report summarizes a 1985 timber resource inventory of the non-Federal forest land in the five counties (Coos, Curry, Douglas, Jackson, and Josephine) in southwest Oregon. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Oregon (southwest).

SUMMARY

The southwest Oregon resource area totals 8,185,024 acres, of which non-Federal forest land totals 2,896,000 acres. An estimated 2,583,000 acres are classified as non-Federal timberland. The non-Federal timberland has an estimated 6.7 billion cubic feet of standing timber, and 64 percent of this volume is owned by forest industry.

PREFACE

Forest Inventory and Analysis (formerly Forest Survey) is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service research and experiment stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for inventories in Alaska, California, Hawaii, Oregon, and Washington.

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INTRODUCTION

This report presents statistics from the latest inventory of non-Federal timber resources for the five counties (Coos, Curry, Douglas, Jackson, and Josephine) in southwest Oregon. The southwest Oregon area was first inventoried in 1932-33; subsequent inventories were taken in 1947-49, 1962, and 1973-74.

Field data for all non-Federal forest lands were collected in the summer of 1985 by the Forest Inventory and Analysis Work Unit (FIA) of the Pacific Northwest Research Station. Data for the Federal timber resources--National Forest (U.S. Department of Agriculture, Forest Service) and Bureau of Land Management (U.S. Department of the Interior)--will be presented, with the non-Federal data, in a later report.

Scientific names of trees (Little 1979) are listed on page 8 of this report. See "Terminology" for definitions of terms used in this report.

INVENTORY PROCEDURES

For all non-Federal lands, the sampling design was double sampling for stratification (Cochran 1963). Owner group, major land classes (timberland, other forest, nonforest), and forest condition classes (stage of development, major type, broad stocking class) were identified on 8,240 photo points. This photo sample was subsampled with a grid of 511 field plots established in 1961-62 and remeasured in 1973-74. In these inventories, a cluster of 10 variable radius points distributed over about 1 acre was established at each timberland location.

In 1983, a sample of these 10-point plots was remeasured to provide data on growth and mortality. These data were used to project tree diameters and heights on 36 undisturbed hardwood plots that were not remeasured for the current inventory. All other timberland locations were revisited in 1985, and a new cluster of five points sampling about 8 acres was established. The field plots were the basis for estimates of timber volume, growth, mortality, and area attributes such as forest type, site class, and stand-size class.

RELIABILITY OF INVENTORY DATA

All area and volume statistics for non-Federal forested areas are based on sampling and are subject to sampling error. Confidence intervals (68-percent probability) for the estimated timberland area, cubic-foot volume, and gross annual cubic-foot growth by owner class are as follows:

Owner	Timberland area	Net volume	Gross annual growth
	(Thousand acres)	(Million cubic feet)	
Other public	163 ± 11	674 ± 114	17 ± 3
Forest industry:			
With mills	1,386 ± 43	3,367 ± 279	143 ± 10
Without mills	257 ± 38	922 ± 190	35 ± 7
Farmer and miscellaneous private	777 ± 41	1,710 ± 121	81 ± 6
All owners	2,583 ± 45	6,672 ± 321	276 ± 12

Confidence intervals are quantitative expressions of the reliability of the timberland area, volume, and growth statistics. The above tabulation, for instance, indicates a two-in-three (68-percent) chance that the timberland area for all owners is within the range of 2,583,000 ± 45,000 (2,538,000 to 2,628,000) acres.

Confidence intervals vary by both the size of the estimate and the variance of the item being estimated. If variance is assumed constant, confidence intervals can be approximated for estimates of various sizes. The confidence interval guides that follow are based on the assumption that an average relation exists between variance and the size of the estimates, and thus they provide only an approximation of the reliability of individual estimates.

The following tabulations approximate confidence bounds for table cells of various sizes in this report.

Timberland area	Confidence interval	
	By owner	By type or class
	(Thousand acres)	
1,000	± 34	± 65
800	± 31	± 58
600	± 26	± 51
400	± 21	± 43
200	± 15	± 31
100	± 10	± 23
50	± 7	± 17
25	± 5	± 12
15	± 4	± 10
10	± 3	± 8

Growing stock volume and confidence interval (Million cubic feet)	Gross growth and confidence interval (Thousand cubic feet)
6,000 ± 343	200,000 ± 12,102
4,000 ± 273	100,000 ± 7,808
2,000 ± 185	50,000 ± 5,038
1,000 ± 125	25,000 ± 3,250
800 ± 110	15,000 ± 2,353
600 ± 93	10,000 ± 1,821
400 ± 74	5,000 ± 1,175
200 ± 50	1,000 ± 425
100 ± 34	500 ± 274
50 ± 23	100 ± 99
25 ± 15	
15 ± 12	
10 ± 9	
5 ± 5	

Actual confidence intervals have been calculated for the tabular data in this report; they are available on request from the Forest Inventory and Analysis Research Work Unit, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

TERMINOLOGY

Bureau of Land Management lands--Federal lands administered by the Bureau of Land Management, U.S. Department of the Interior.

Chaparral--Areas covered with heavily branched dwarf trees or shrubs, usually evergreen, the crown canopy of which at maturity usually covers more than 50 percent of the ground. The principal genera are Arctostaphylos, Baccharis, Ceanothus, Cercocarpus, and Garrya.

Class of timber--A classification of trees as growing stock, cull, and salvable dead. Growing-stock trees are divided into poletimber and sawtimber trees.

County and municipal lands--Lands owned by county and other local public agencies.

Cull trees--Live trees of noncommercial species, or live trees of commercial species that are more than 75 percent defective and are unlikely to become growing stock.

Cull trees, rotten--Cull trees with defect caused primarily by rot.

Cull trees, sound--Trees of noncommercial species or cull trees of commercial species with defect caused primarily by poor form and roughness.

Diameter class--A classification of trees based on diameter outside the bark measured at breast height, 4-1/2 feet above the ground. D.b.h. is the common abbreviation for "diameter at breast height."

Farmer--Lands owned by an individual or corporate owner who produces agricultural products but does not meet the definition of a forest industry.

Forest industry lands--
With mills: lands owned by companies or individuals that operate wood-using plants.
Without mills: lands owned by companies or individuals that manage forests for timber production but do not operate mills.

Forest land--Land at least 10 percent stocked by live trees or land formerly having such tree cover and not currently developed for nonforest use.

Forest land, reserved--Forest land withdrawn from timber production through statute or ordinance. Included are National, State, and county parks; and other reserved lands.

Forest types--Stands with 50-percent or more stocking in live conifer trees classed as softwood types; stands with a majority of stocking in live hardwood trees classed as hardwood types. The individual forest type is determined by plurality of stocking by species of live softwood or hardwood trees.

Gross annual growth--The increase in volume of trees during a specified year. Components of gross annual growth of trees: (a) the increment in sound volume of trees alive at the beginning of a specified year and surviving to the year's end, plus (b) the sound volume of trees reaching sawtimber or poletimber size during the year.

Growing-stock trees--All live trees except cull trees.

Growing-stock volume--Net volume in cubic feet of live sawtimber and poletimber growing-stock trees from stump to a minimum 4-inch top (of central stem) outside the bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Hardwoods--Trees that are angiosperms, usually broad leaved and deciduous.

Land area--Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water such as marshes, swamps, and river flood plains; streams, sloughs, and canals less than one-eighth mile wide; and lakes, reservoirs, and ponds less than 40 acres in area.

Land class--A classification of land by major use. The minimum area for classification is 1 acre.

Mean annual increment--A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. For a given species and site index, the average is based on the age at which the mean annual increment culminates for fully stocked stands. When productivity is calculated, nonforest inclusions of less than 1 acre are excluded.

Miscellaneous Federal lands--Federal lands other than lands administered by the Forest Service or the Bureau of Land Management.

Miscellaneous private owners--All private owners not otherwise classified.

Mortality--Volume of sound wood in trees dying from natural causes during a specified period.

National Forest lands--Federal lands that have been designated by Executive order or statute as National Forest or purchase units and other lands under the administration of the Forest Service, U.S. Department of Agriculture, including experimental areas and Bankhead-Jones Title III lands.

Noncommercial species--A tree species not suitable for industrial wood products.

Non-Federal lands--Includes all land except lands owned or managed by the Forest Service, U.S. Department of Agriculture, and by the Bureau of Land Management, U.S. Department of the Interior. Includes miscellaneous Federal lands.

Nonforest land--Land that has never supported forests or was formerly forested and is currently developed for nonforest uses. Included are lands used for agricultural crops, Christmas tree farms, improved pasture, residential areas, city parks, constructed roads, operating railroads and their right-of-way clearings, powerline and pipeline clearings, streams more than 30 feet wide, and 1- to 40-acre areas of water classified by the Bureau of the Census, U.S. Department of Commerce, as land. If intermingled in forest areas, unimproved roads and other nonforest strips must be more than 120 feet wide, and clearings or other areas must be 1 acre or larger to qualify as nonforest land.

Nonstocked areas--Timberland less than 10 percent stocked with growing-stock trees.

Other forest land--Forest land incapable of producing 20 cubic feet per acre per year of industrial wood because of adverse site conditions such as sterile soils, dry climate, poor drainage, high elevation, steepness, or rockiness.

Other public lands--Lands administered by public agencies other than the Forest Service, U.S. Department of Agriculture, or the Bureau of Land Management, U.S. Department of the Interior.

Poletimber stands--Stands with a mean diameter (weighted by basal area) from 5.0 to 9.0 inches if softwood and from 5.0 to 11.0 inches if hardwood.

Poletimber trees--Live trees of commercial species at least 5.0 inches in d.b.h. but smaller than sawtimber size, and of good form and vigor.

Roundwood--Logs, bolts, or other round sections cut from trees.

Salvable dead trees--Standing or down trees of commercial species, at least 9.0 inches in d.b.h. for softwoods and at least 11.0 inches in d.b.h. for hardwoods, containing 25 percent or more sound wood volume and at least one merchantable 12-foot log if softwood or one merchantable 8-foot log if hardwood.

Sapling and seedling stands--Stands with a mean diameter (weighted by basal area) less than 5.0 inches.

Sapling and seedling trees--Live trees of commercial species less than 5.0 inches in d.b.h., with no diseases, defects, or deformities likely to prevent their becoming poletimber trees.

Saw-log portion--The bole of sawtimber trees between the stump and the saw-log top.

Sawtimber stands--Stands with a mean diameter (weighted by basal area) larger than 9.0 inches if softwood and larger than 11.0 inches if hardwood.

Sawtimber trees--Live softwood trees of commercial species at least 9.0 inches in d.b.h. and live hardwood trees of commercial species at least 11.0 inches in d.b.h. At least 25 percent of the board-foot volume in a sawtimber tree must be free from defect. Softwood trees must contain at least one 12-foot saw log with a top diameter of not less than 6 inches inside bark; hardwood trees must contain at least one 8-foot saw log with a top diameter of not less than 8 inches inside bark.

Sawtimber volume--Net volume of sawtimber trees measured in board feet. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Scribner rule--The common board-foot log rule used locally in determining volume of sawtimber. Scribner volume is estimated in terms of 32-foot logs for conifers and 16-foot logs for hardwoods.

Site class--A classification of the potential productivity of forest land in terms of mean annual increment.

Site index--A measure of the productivity of forest land in terms of the average height of dominant and codominant trees at a specified age.

Softwoods--Coniferous trees, usually evergreen, with needles or scalelike leaves.

State lands--Lands owned by States or administered by State agencies.

Timber harvest--Volume of roundwood removed from forest land for products.

Timber volume--Includes the net volume in cubic feet of poletimber and sawtimber trees and salvable dead sawtimber trees of all species, the net volume in cubic feet of cull trees of commercial species, and gross volume of noncommercial species. Volume is measured from stump to a minimum 4-inch top outside the bark.

Timberland--Forest land capable of producing 20 cubic feet or more per acre per year of industrial wood, and not withdrawn from timber utilization.

Timberland, reserved--Private or public land withdrawn from timber utilization through statute, ordinance, or administrative order but which otherwise qualifies as timberland.

Upper-stem portion--The bole of sawtimber trees above the saw-log top--7.0 inches outside the bark for softwoods and 9.0 inches outside the bark for hardwoods--to a minimum top diameter of 4.0 inches outside the bark, or to the point where the central stem breaks into limbs.

NAMES OF TREES

Common name	Scientific name
Softwoods:	
Douglas-fir	*Pseudotsuga menziesii* (Mirb.) Franco
Grand fir	*Abies grandis* (Dougl. ex D. Don.) Lindl.
Incense-cedar	*Libocedrus decurrens* Torr.
Jeffrey pine	*Pinus jeffreyi* Grev. & Balf.
Knobcone pine	*Pinus attenuata* Lemm.
Lodgepole pine	*Pinus contorta* Dougl. ex Loud. var. *latifolia* Engelm.
Ponderosa pine	*Pinus ponderosa* Dougl. ex Laws.
Port-Orford-cedar	*Chamaecyparis lawsoniana* (A. Murr.) Parl.
Redwood	*Sequoia sempervirens* (D. Don) Endl.
Sitka spruce	*Picea sitchensis* (Bong.) Carr.
Sugar pine	*Pinus lambertiana* Dougl.
Western hemlock	*Tsuga heterophylla* (Raf.) Sarg.
Western redcedar	*Thuja plicata* Donn ex D. Don
White fir	*Abies concolor* (Gord. & Glend.) Lindl. ex Hildebr.
Hardwoods:	
Bigleaf maple	*Acer macrophyllum* Pursh
Bitter cherry	*Prunus emarginata* Dougl. ex Eaton
Black cottonwood	*Populus trichocarpa* Torr. & Gray
California black oak	*Quercus kelloggii* Newb.
California-laurel	*Umbellularia californica* (Hook. & Arn.) Nutt.
Canyon live oak	*Quercus chrysolepis* Liebm.
Giant chinkapin	*Castanopsis chrysophylla* (Dougl.) A. DC.
Oregon ash	*Fraxinus latifolia* Benth.
Oregon white oak	*Quercus garryana* Dougl. ex Hook.
Pacific madrone	*Arbutus menziesii* Pursh
Red alder	*Alnus rubra* Bong.
Tanoak	*Lithocarpus densiflorus* (Hook. & Arn.) Rehd.

TABLE 1--AREA OF NON-FEDERAL LAND BY LAND CLASS AND COUNTY, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

LAND CLASS	COOS	CURRY	DOUGLAS	JACKSON	JOSEPHINE	ALL COUNTIES
			THOUSAND ACRES			
FOREST LAND:						
TIMBERLAND	586	260	1,093	465	180	2,583
RESERVED TIMBERLAND	5	3	11	6	1	25
OTHER FOREST	19	15	57	143	53	287
TOTAL	609	278	1,160	614	235	2,896
NONFOREST LAND 3/	167	74	404	265	90	1,000
ALL CLASSES 4/	776	352	1,564	879	325	3,896

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways; and water as classified by Forest Inventory and Analysis standards but defined by the Bureau of the Census as land.

4/Source: United States Bureau of the Census, Land and Water of the United States, 1980.

TABLE 2--AREA OF NON-FEDERAL TIMBERLAND BY OWNER AND COUNTY, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

OWNER	COOS	CURRY	DOUGLAS	JACKSON	JOSEPHINE	ALL COUNTIES
			THOUSAND ACRES			
OTHER PUBLIC:						
OTHER FEDERAL	--	--	--	5	--	5
STATE	61	2	43	2	6	114
COUNTY AND MUNICIPAL	14	--	8	3	19	44
TOTAL	75	2	51	10	25	163
PRIVATE:						
FOREST INDUSTRY--						
WITH MILL	243	121	688	292	43	1,386
WITHOUT MILL	126	60	62	7	1	257
OTHER PRIVATE--						
FARMER	65	38	178	64	42	387
MISCELLANEOUS	76	39	114	92	70	391
TOTAL	510	258	1,042	455	156	2,421
ALL OWNERS	586	260	1,093	465	180	2,583

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 3--AREA OF NON-FEDERAL STOCKABLE TIMBERLAND BY SITE CLASS AND OWNER, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SITE CLASS 3/	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
CUBIC FEET	- - - - - - - - - - - - - - - -	THOUSAND ACRES		- - - - - - - - - - - - - - - -	
225 OR MORE	--	12	12	7	31
165 TO 224	50	345	65	107	567
120 TO 164	72	393	56	196	717
85 TO 119	25	444	95	176	740
50 TO 84	6	136	19	183	344
20 TO 49	6	37	--	95	138
ALL CLASSES	158	1,366	247	765	2,536

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands. The areas shown here exclude 47,000 acres of nonforest inclusions of less than 1 acre.

TABLE 4--AREA OF NON-FEDERAL TIMBERLAND BY STAND-SIZE CLASS AND OWNER, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

STAND-SIZE CLASS	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND ACRES			
SAWTIMBER STANDS:					
LARGE SAWTIMBER 3/	26	104	33	2	165
SMALL SAWTIMBER 4/	54	467	65	278	865
TOTAL	80	571	98	281	1,029
POLETIMBER STANDS	46	207	72	258	583
SAPLING AND SEEDLING STANDS	29	563	78	207	877
NONSTOCKED AREAS	9	45	9	32	94
ALL CLASSES	163	1,386	257	777	2,583

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 21.0-inch d.b.h. and larger.

4/Includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

TABLE 5--AREA OF NON-FEDERAL TIMBERLAND BY FOREST TYPE AND OWNER, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

FOREST TYPE	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
			THOUSAND ACRES		
DOUGLAS-FIR	123	921	104	334	1,483
INCENSE-CEDAR	--	53	--	7	60
WHITE FIR	--	40	--	5	45
WESTERN HEMLOCK	--	12	12	13	37
PORT-ORFORD-CEDAR	--	12	--	14	26
SITKA SPRUCE	--	--	15	8	23
GRAND FIR	--	6	--	17	22
WESTERN REDCEDAR	--	14	--	--	14
JEFFREY PINE	--	10	--	--	10
PONDEROSA PINE	--	9	--	--	9
SUGAR PINE	--	6	--	--	6
REDWOOD	--	--	6	--	6
RED ALDER	17	101	36	97	251
PACIFIC MADRONE	6	63	14	143	225
TANOAK	--	48	42	11	100
CALIFORNIA BLACK OAK	--	7	--	27	34
OREGON WHITE OAK	--	6	--	26	32
CANYON LIVE OAK	--	8	--	22	30
CALIFORNIA LAUREL	--	6	12	4	22
BIGLEAF MAPLE	--	--	8	--	8
GIANT CHINKAPIN	--	8	--	--	8
OTHER HARDWOODS	9	9	--	19	37
NONSTOCKED	9	45	9	32	94
ALL TYPES	163	1,386	257	777	2,583

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 6--AREA OF NON-FEDERAL RESERVED TIMBERLAND AND OTHER FOREST LAND BY LAND CLASS, FOREST TYPE, AND OWNER, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

LAND CLASS AND FOREST TYPE	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
			THOUSAND ACRES		
TIMBERLAND, RESERVED:					
DOUGLAS-FIR	6	--	--	1	7
LODGEPOLE PINE	6	--	--	--	6
SITKA SPRUCE	4	--	--	--	4
TRUE FIRS	4	--	--	--	4
PONDEROSA PINE	3	--	--	--	3
RED ALDER	1	--	--	--	1
ALL TIMBERLAND, RESERVED	25	--	--	1	25
OTHER FOREST LAND:					
DOUGLAS-FIR	--	--	--	11	11
LODGEPOLE PINE	2	--	--	--	2
OREGON WHITE OAK	6	9	--	149	164
CALIFORNIA BLACK OAK	--	--	--	31	31
PACIFIC MADRONE	6	--	--	23	29
CHAPARRAL	2	--	--	--	2
OAK/MADRONE	1	--	--	--	1
UNCLASSIFIED	--	17	--	30	47
ALL OTHER FOREST LAND 3/	17	26	--	244	287

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes 5,000 acres of reserved areas.

TABLE 7--VOLUME OF TIMBER ON NON-FEDERAL TIMBERLAND BY CLASS OF TIMBER AND BY SOFTWOODS AND HARDWOODS, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
		MILLION CUBIC FEET	
SAWTIMBER TREES:			
SAW-LOG PORTION	4,492	718	5,210
UPPER-STEM PORTION	160	240	400
TOTAL	4,652	958	5,610
POLETIMBER TREES	504	559	1,062
ALL GROWING STOCK	5,156	1,516	6,672
SOUND CULL TREES	32	101	133
ROTTEN CULL TREES	34	109	142
SALVABLE DEAD TREES	119	3	122
ALL TIMBER	5,340	1,729	7,069

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 8--VOLUME OF GROWING STOCK AND SAWTIMBER ON NON-FEDERAL TIMBERLAND BY OWNER AND BY SOFTWOODS AND HARDWOODS, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

OWNER	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - - - MILLION CUBIC FEET - - - - -		
GROWING STOCK: 3/				
OTHER PUBLIC	4,135	551	123	674
FOREST INDUSTRY--				
WITH MILLS	2,429	2,797	570	3,367
WITHOUT MILLS	3,588	603	319	922
FARMER AND MISCELLANEOUS PRIVATE	2,201	1,204	505	1,710
ALL OWNERS	2,583	5,156	1,516	6,672
	BOARD FEET PER ACRE	- - - - - MILLION BOARD FEET - - - - - -		
SAWTIMBER (SCRIBNER RULE): 4/				
OTHER PUBLIC	17,982	2,437	495	2,931
FOREST INDUSTRY--				
WITH MILLS	8,592	10,672	1,236	11,909
WITHOUT MILLS	12,113	2,306	807	3,113
FARMER AND MISCELLANEOUS PRIVATE	5,789	3,710	788	4,498
ALL OWNERS	8,691	19,124	3,326	22,450

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 5.0-inch d.b.h. and larger.

4/Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

TABLE 9--VOLUME OF GROWING STOCK AND SAWTIMBER ON NON-FEDERAL TIMBERLAND BY OWNER AND COUNTY, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

OWNER	COOS	CURRY	DOUGLAS	JACKSON	JOSEPHINE	ALL COUNTIES
			MILLION CUBIC FEET			
GROWING STOCK: 3/						
OTHER PUBLIC	343	4	249	22	56	674
FOREST INDUSTRY--						
WITH MILL	674	289	1,661	654	90	3,367
WITHOUT MILL	522	199	160	37	4	922
FARMER AND MISCELLANEOUS PRIVATE	330	162	673	313	231	1,710
ALL OWNERS	1,869	654	2,743	1,026	381	6,672
			MILLION BOARD FEET			
SAWTIMBER (SCRIBNER RULE): 4/						
OTHER PUBLIC	1,595	18	1,084	66	168	2,931
FOREST INDUSTRY--						
WITH MILL	2,407	976	6,321	1,944	261	11,909
WITHOUT MILL	1,914	677	451	63	7	3,113
FARMER AND MISCELLANEOUS PRIVATE	831	397	1,951	748	572	4,498
ALL OWNERS	6,747	2,068	9,807	2,821	1,008	22,450

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 5.0-inch d.b.h. and larger.

4/Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

TABLE 10--VOLUME OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		MILLION CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	494	1,941	395	854	3,685
WESTERN HEMLOCK	23	263	46	50	382
GRAND FIR	--	158	24	80	261
WESTERN REDCEDAR	1	86	29	27	143
WHITE FIR	8	108	--	22	138
INCENSE-CEDAR	5	82	3	39	128
PONDEROSA PINE	3	58	--	62	123
SITKA SPRUCE	10	16	63	33	122
SUGAR PINE	--	58	--	12	71
PORT-ORFORD-CEDAR	6	14	19	24	63
REDWOOD	--	--	22	--	22
JEFFREY PINE	--	12	--	--	12
KNOBCONE PINE	--	--	2	--	2
LODGEPOLE PINE	--	--	--	2	2
TOTAL	551	2,797	603	1,204	5,156
HARDWOODS:					
RED ALDER	93	272	139	194	697
PACIFIC MADRONE	10	103	35	127	274
BIGLEAF MAPLE	4	59	34	22	118
CALIFORNIA BLACK OAK	3	27	3	77	110
CALIFORNIA-LAUREL	3	38	37	15	93
TANOAK	1	13	56	12	81
OREGON WHITE OAK	8	24	--	28	60
GIANT CHINKAPIN	--	26	13	6	45
OREGON ASH	--	6	--	14	20
CANYON LIVE OAK	1	1	3	10	15
BITTER CHERRY	--	--	--	2	2
BLACK COTTONWOOD	--	--	--	1	1
TOTAL	123	570	319	505	1,516
ALL SPECIES	674	3,367	922	1,710	6,672

-- = none found or less than 500,000 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 11--VOLUME OF SAWTIMBER ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		MILLION BOARD FEET, SCRIBNER RULE			
SOFTWOODS:					
DOUGLAS-FIR	2,266	7,521	1,471	2,723	13,980
WESTERN HEMLOCK	62	1,075	189	157	1,483
GRAND FIR	--	554	95	240	888
WESTERN REDCEDAR	2	336	127	93	558
WHITE FIR	27	299	--	59	384
INCENSE-CEDAR	18	208	4	58	288
PONDEROSA PINE	10	210	--	174	395
SITKA SPRUCE	36	85	304	114	539
SUGAR PINE	--	301	--	40	341
PORT-ORFORD-CEDAR	16	38	37	43	134
REDWOOD	--	--	76	--	76
JEFFREY PINE	--	46	--	--	46
KNOBCONE PINE	--	--	4	--	4
LODGEPOLE PINE	--	--	--	8	8
TOTAL	2,437	10,672	2,306	3,710	19,124
HARDWOODS:					
RED ALDER	439	735	396	302	1,872
PACIFIC MADRONE	15	152	44	179	390
BIGLEAF MAPLE	8	108	55	51	222
CALIFORNIA BLACK OAK	4	42	2	120	168
CALIFORNIA-LAUREL	10	113	131	33	287
TANOAK	--	28	150	32	210
OREGON WHITE OAK	18	45	--	33	96
GIANT CHINKAPIN	--	10	26	6	42
OREGON ASH	--	3	--	22	25
CANYON LIVE OAK	--	--	2	5	8
BLACK COTTONWOOD	--	--	--	5	5
TOTAL	495	1,236	807	788	3,326
ALL SPECIES	2,931	11,909	3,113	4,498	22,450

-- = none found or less than 500,000 board feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 12--VOLUME OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND DIAMETER CLASS, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION CUBIC FEET										
SOFTWOODS:											
DOUGLAS-FIR	121	220	348	365	373	327	257	219	600	855	3,685
WESTERN HEMLOCK	20	20	33	31	41	37	35	16	71	78	382
GRAND FIR	11	30	30	41	27	16	12	20	50	24	261
WESTERN REDCEDAR	--	6	6	8	9	12	7	1	11	83	143
WHITE FIR	7	12	10	21	10	14	13	19	26	6	138
INCENSE-CEDAR	8	12	13	6	8	10	5	10	28	29	128
PONDEROSA PINE	4	8	10	13	13	18	12	19	19	7	123
SITKA SPRUCE	2	7	2	5	--	10	4	8	25	60	122
SUGAR PINE	2	1	2	3	3	1	3	3	12	41	71
PORT-ORFORD-CEDAR	7	6	9	7	4	10	6	1	9	5	63
REDWOOD	--	--	--	--	2	--	3	4	5	7	22
JEFFREY PINE	--	--	—	--	2	3	2	2	2	2	12
KNOBCONE PINE	1	--	--	2	--	--	--	--	—	--	2
LODGEPOLE PINE	--	--	—	1	—	--	1	--	--	--	2
TOTAL	183	321	464	504	490	457	361	322	858	1,196	5,156
HARDWOODS:											
RED ALDER	38	125	117	135	72	81	69	21	38	2	697
PACIFIC MADRONE	40	42	45	28	25	27	11	16	26	14	274
BIGLEAF MAPLE	8	10	9	11	11	8	9	16	20	17	118
CALIFORNIA BLACK OAK	15	5	8	11	9	10	13	12	13	14	110
CALIFORNIA-LAUREL	4	4	3	15	16	5	3	3	17	23	93
TANOAK	7	7	8	6	7	4	6	8	20	9	81
OREGON WHITE OAK	5	5	5	8	15	5	5	3	6	2	60
GIANT CHINKAPIN	20	9	3	3	4	2	1	2	--	--	45
OREGON ASH	2	3	--	2	3	2	3	1	3	--	20
CANYON LIVE OAK	4	3	3	—	3	--	1	--	--	--	15
BITTER CHERRY	--	2	--	--	—	--	--	--	—	--	2
BLACK COTTONWOOD	—	--	--	--	--	--	--	--	--	1	1
TOTAL	141	216	201	219	166	144	121	82	144	82	1,516
ALL SPECIES	324	537	665	723	656	602	482	404	1,002	1,279	6,672

-- = none found or less than 500,000 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 13--VOLUME OF SAWTIMBER ON NON-FEDERAL TIMBERLAND BY SPECIES AND DIAMETER CLASS, SOUTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION BOARD FEET, SCRIBNER RULE								
SOFTWOODS:									
DOUGLAS-FIR	830	1,118	1,332	1,252	1,048	970	2,872	4,558	13,980
WESTERN HEMLOCK	87	106	153	144	154	68	348	423	1,483
GRAND FIR	75	134	102	61	54	92	244	126	888
WESTERN REDCEDAR	12	23	30	42	27	7	41	376	558
WHITE FIR	20	54	30	43	42	64	106	25	384
INCENSE-CEDAR	19	11	15	24	13	27	88	91	288
PONDEROSA PINE	18	33	34	58	49	80	85	38	395
SITKA SPRUCE	4	17	--	35	13	36	108	325	539
SUGAR PINE	3	7	9	2	10	13	58	237	341
PORT-ORFORD-CEDAR	15	15	9	28	17	2	32	17	134
REDWOOD	1	1	4	--	10	14	17	30	76
JEFFREY PINE	--	--	3	10	7	7	9	10	46
KNOBCONE PINE	--	4	--	--	--	--	--	--	4
LODGEPOLE PINE	--	3	--	--	5	--	--	--	8
TOTAL	1,084	1,525	1,721	1,700	1,448	1,380	4,009	6,257	19,124
HARDWOODS:									
RED ALDER	--	490	323	395	347	109	202	7	1,872
PACIFIC MADRONE	--	81	73	76	29	41	63	26	390
BIGLEAF MAPLE	--	34	27	17	26	49	43	26	222
CALIFORNIA BLACK OAK	--	20	14	14	28	26	29	37	168
CALIFORNIA-LAUREL	--	42	50	18	8	10	63	96	287
TANOAK	--	15	20	12	20	30	72	41	210
OREGON WHITE OAK	--	18	34	12	11	7	10	4	96
GIANT CHINKAPIN	--	9	12	9	6	8	--	--	42
OREGON ASH	--	4	6	5	7	1	3	--	25
CANYON LIVE OAK	--	--	5	--	2	--	--	--	8
BLACK COTTONWOOD	--	--	--	--	--	--	--	5	5
TOTAL	--	714	564	558	483	280	484	242	3,326
ALL SPECIES	1,084	2,238	2,285	2,258	1,932	1,660	4,494	6,499	22,450

-- = none found or less than 500,000 board feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 14--GROSS ANNUAL GROWTH OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY OWNER AND BY SOFTWOODS AND HARDWOODS, SOUTHWEST OREGON, 1985 1/ 2/

OWNER	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - - THOUSAND CUBIC FEET - - - - -		
OTHER PUBLIC	103	14,090	2,695	16,785
FOREST INDUSTRY:				
WITH MILLS	103	116,181	26,340	142,521
WITHOUT MILLS	137	23,448	11,908	35,356
FARMER AND MISCELLANEOUS PRIVATE	104	58,732	22,218	80,949
ALL OWNERS	107	212,450	63,161	275,611

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 15--GROSS ANNUAL GROWTH OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, SOUTHWEST OREGON, 1985 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	11,654	85,009	15,280	41,100	153,044
WESTERN HEMLOCK	1,412	11,024	2,016	3,140	17,591
GRAND FIR	--	8,003	1,202	4,442	13,646
WESTERN REDCEDAR	44	1,722	548	1,431	3,746
WHITE FIR	237	4,288	--	841	5,367
INCENSE-CEDAR	74	2,500	124	1,994	4,691
PONDEROSA PINE	61	1,601	--	1,976	3,638
SITKA SPRUCE	391	315	2,727	2,204	5,637
SUGAR PINE	9	880	--	325	1,214
PORT-ORFORD-CEDAR	208	631	759	1,175	2,772
REDWOOD	--	--	604	--	604
JEFFREY PINE	--	209	--	--	209
KNOBCONE PINE	--	--	189	--	189
LODGEPOLE PINE	--	--	--	103	103
TOTAL	14,090	116,181	23,448	58,732	212,450
HARDWOODS:					
RED ALDER	1,979	13,780	6,186	10,527	32,472
PACIFIC MADRONE	284	4,930	782	6,528	12,524
BIGLEAF MAPLE	49	1,710	1,011	505	3,276
CALIFORNIA BLACK OAK	67	1,271	63	1,612	3,013
CALIFORNIA-LAUREL	116	1,314	1,532	634	3,596
TANOAK	31	666	1,765	595	3,056
OREGON WHITE OAK	159	489	--	776	1,424
GIANT CHINKAPIN	--	1,968	494	217	2,679
OREGON ASH	--	167	--	365	532
CANYON LIVE OAK	10	46	74	346	476
BITTER CHERRY	--	--	--	91	91
BLACK COTTONWOOD	--	--	--	22	22
TOTAL	2,695	26,340	11,908	22,218	63,161
ALL SPECIES	16,785	142,521	35,356	80,949	275,611

-- = none found or less than 500 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 16--AVERAGE ANNUAL MORTALITY OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, SOUTHWEST OREGON, 1985 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	3,763	5,523	1,164	2,482	12,931
WESTERN HEMLOCK	69	790	143	152	1,154
GRAND FIR	--	454	65	229	747
WESTERN REDCEDAR	4	237	73	76	390
WHITE FIR	29	1,056	--	66	1,151
INCENSE-CEDAR	14	270	6	116	407
PONDEROSA PINE	8	246	--	169	423
SITKA SPRUCE	27	45	174	102	348
SUGAR PINE	2	151	--	36	189
PORT-ORFORD-CEDAR	195	457	621	751	2,025
REDWOOD	--	--	74	--	74
JEFFREY PINE	--	883	--	--	883
KNOBCONE PINE	--	--	7	--	7
LODGEPOLE PINE	--	--	--	6	6
TOTAL	4,111	10,113	2,326	4,186	20,736
HARDWOODS:					
RED ALDER	736	2,163	1,103	1,540	5,543
PACIFIC MADRONE	74	799	268	993	2,134
BIGLEAF MAPLE	30	442	266	165	904
CALIFORNIA BLACK OAK	25	209	21	575	830
CALIFORNIA-LAUREL	27	298	273	111	708
TANOAK	6	104	434	91	634
OREGON WHITE OAK	64	191	--	219	473
GIANT CHINKAPIN	--	206	105	44	355
OREGON ASH	--	50	--	110	160
CANYON LIVE OAK	6	10	26	74	116
BITTER CHERRY	--	--	--	16	16
BLACK COTTONWOOD	--	--	--	7	7
TOTAL	968	4,471	2,495	3,945	11,880
ALL SPECIES	5,079	14,584	4,821	8,131	32,615

-- = none found or less than 500 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 17--TIMBER HARVEST BY OWNER, SOUTHWEST OREGON, 1962-85

YEAR	NATIONAL FOREST	OTHER PUBLIC	PRIVATE	ALL OWNERS
	THOUSAND BOARD FEET, SCRIBNER RULE			
1962	705,300	646,400	1,570,415	2,922,115
1963	821,300	782,604	1,333,207	2,937,111
1964	892,000	928,852	1,462,333	3,283,185
1965	890,000	794,291	1,491,340	3,175,631
1966	763,700	748,919	1,486,372	2,998,991
1967	787,600	673,808	1,382,837	2,844,245
1968	889,052	876,179	1,471,202	3,236,433
1969	722,622	707,429	1,538,927	2,968,978
1970	608,270	623,188	1,353,710	2,585,168
1971	769,930	818,125	1,377,967	2,966,022
1972	969,799	793,719	1,405,344	3,168,862
1973	902,701	875,370	1,165,273	2,943,344
1974	699,262	690,443	1,302,454	2,692,159
1975	545,774	457,632	1,241,313	2,244,719
1976	616,120	741,326	1,144,277	2,501,723
1977	616,363	669,230	1,378,714	2,664,307
1978	803,355	539,176	1,275,700	2,618,231
1979	729,577	667,087	1,104,036	2,500,700
1980	435,070	526,557	1,107,454	2,069,081
1981	382,505	417,257	935,697	1,735,459
1982	249,689	201,019	1,159,468	1,610,176
1983	555,437	503,620	1,103,956	2,163,013
1984	561,392	582,414	1,112,083	2,255,889
1985	1,239,718	606,924	1,144,869	2,991,511

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METRIC EQUIVALENTS

1,000 acres = 404.7 hectares
1,000 cubic feet = 28.3 cubic meters
1 cubic foot per acre = 0.07 cubic meter per hectare
1 foot = 0.3048 meter
1 inch = 2.54 centimeters
1 mile = 1.609 kilometers

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*GPO 695 - 507 (1986)

Gedney, Donald R.; Bassett, Patricia M.; Mei, Mary A.
Timber resource statistics for non-Federal forest land in southwest Oregon. Resour. Bull. PNW-138. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 26 p.

This report summarizes a 1985 timber resource inventory of the non-Federal forest land in the five counties (Coos, Curry, Douglas, Jackson, and Josephine) in southwest Oregon. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Oregon (southwest).

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives — as directed by Congress — to provide increasingly greater service to a growing Nation.

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Production, Prices, Employment, and Trade in Northwest Forest Industries, Second Quarter 1986

Debra D. Warren

ABSTRACT

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, second quarter 1986. Resour. Bull. PNW-139. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 70 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

PREFACE

This report presents current information on the timber situation in Alaska, Washington. Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1975 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Resources Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

Phone: 503-231-2081 Commercial
503-429-2081 FTS

AUTHOR

DEBRA D. WARREN is a statistical assistant at the Pacific Northwest Research Station, Forestry Sciences Laboratory, 809 N.E. 6th Avenue, Portland, Oregon 97232.

Tables Included in This Series of Reports, Frequency of Publication, and Most Recent Quarter Published

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Lumber and Plywood Production and Prices		
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1/ A: Published annually as data become available.
Q: Published quarterly as data become available.

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Log exports from southern California ports, by species, 1975-86	Q	Current, Table 20
Volume and average value of softwood log exports to Canada from the Montana Customs District, 1975-86	Q	Current, Table 21
Log exports from British Columbia ports, by species and destination, 1975-86	Q	Current, Table 22
Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1975-86	Q	Current, Table 23
Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1975-86	Q	Current, Table 24
Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1975-86	Q	Current, Table 25
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Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 26
Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 27
Softwood lumber exports from northern California ports, by species and destination, 1975-86	Q	Current, Table 28

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Softwood lumber exports from southern California ports, by species and destination, 1975-86	Q	Current, Table 29
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Sitka spruce log prices, western Washington and northwestern Oregon, 1975-85	A	Current, Table 40
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Western white pine log prices, western Washington and northwestern Oregon, 1975-85	A	Current, Table 42

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Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86	Q	Current, Table 43
Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86	Q	Current, Table 44
Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86	Q	Current, Table 45
Volume of timber sold on publicly owned or managed lands in California, 1981-86	Q	Current, Table 46
Average stumpage prices of timber sold on publicly owned or managed lands in California, 1981-86	Q	Current, Table 47
Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1975-86	Q	Current, Table 48
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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
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Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86	Q	Current, Table 56
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Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-85	A	Current, Table 58
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Allowable annual cut and uncut volume under contract on Washington State lands, 1975-86	A	Current, Table 61
Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1975-86	Q	Current, Table 62

Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1975-86

Year	Softwood lumber production				U.S. softwood structural panel board production 3/
	Total softwood lumber	Western Washington and western Oregon 1/	California redwood region	Inland region 2/	
	Million board feet				Million sq ft, 3/8-inch basis
1975	17,773	7,134	2,194	8,445	16,050
1976	20,112	8,322	2,001	9,789	18,440
1977	21,105	8,796	2,000	10,309	19,677
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	18,786	8,113	1,750	8,923	22,446
1985	18,496	7,554	1,779	9,163	23,129
1986:					
January 4/	1,613	704	159	750	2,191
February 4/	1,586	710	133	743	1,857
March 4/	1,769	782	151	836	2,068
Total, 1st quarter	4,968	2,196	443	2,329	6,116
April	1,859	782	176	901	2,054
May	1,845	825	172	848	2,552
June	1,737	684	162	891	2,004
Total, 2d quarter	5,441	2,291	510	2,640	6,610
July					
August					
September					
Total, 3d quarter					
October					
November					
December					
Total, 4th quarter					
1986 total					
	2d quarter 1986 change, in percent				
From:					
1st quarter 1986	9.5	4.3	15.1	13.4	8.1
2d quarter 1985	15.0	21.4	9.0	11.2	13.7

1/ Includes small amounts of hardwood.

2/ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

3/ Data for 1975 are based in part on sampling. Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

4/ First quarter lumber production figures have been revised.

Source: Western Wood Products Association, Portland, Oregon, and American Plywood Association, Tacoma, Washington.

Table 2--Lumber production in Northwest States, 1975-85

(In million board feet)

Year	Washington	Oregon	California 1/	Montana	Idaho
1975	3,104	6,342	4,153	1,038	1,631
1976	3,661	7,335	4,824	1,197	1,908
1977	4,031	7,509	5,052	1,250	1,976
1978	4,150	7,416	4,853	1,256	1,932
1979	3,841	7,312	4,639	1,257	1,893
1980	3,161	5,784	2,179	983	1,391
1981	3,243	5,115	3,224	1,032	1,319
1982	3,059	4,682	2,987	895	1,245
1983	3,821	6,579	3,574	1,316	1,627
1984	3,697	7,202	3,891	1,387	1,686
1985	3,419	7,211	4,168	1,445	1,676

1/ California production data include 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

Table 3--Softwood lumber production in the inland region, by species, 1975-85 1/

(In million board feet)

Year	All softwoods	Ponderosa pine	Idaho white pine	Sugar pine	Douglas-fir and larch	Hem-fir 2/	Engelmann spruce	Lodgepole pine	Other softwoods
1975	8,445	3,269	291	193	1,952	1,476	304	395	565
1976	9,789	3,757	294	201	2,321	1,655	366	451	744
1977	10,309	4,046	293	230	2,343	1,762	434	547	654
1978	10,033	3,970	245	213	2,370	1,724	374	498	639
1979	9,780	3,728	198	201	2,333	1,794	365	419	742
1980	7,613	3,023	166	184	1,644	1,334	262	402	598
1981	7,147	2,770	164	173	1,570	1,147	269	419	635
1982	6,681	2,649	113	141	1,509	1,029	313	376	551
1983	8,488	3,378	163	192	1,851	1,272	323	532	777
1984	8,992	3,537	132	215	1,905	1,524	431	618	630
1985	9,276	3,430	114	258	2,050	1,701	433	534	756

1/ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

2/ Western hemlock and white fir. Before 1979, hemlock was included in "Other softwoods"; since 1979, hemlock is included in "Hem-fir." The historical data are revised to reflect this change.

Source: Western Wood Products Association, Portland, Oregon.

Table 4--Lumber production in the coast region, by species, 1975-85 1/

(In million board feet)

Year	All species	Douglas-fir	Hem-fir 2/	Western redcedar	Sitka spruce	Pine	Other softwoods	Hardwoods
1975	7,134	4,684	1,683	364	15	233	46	109
1976	8,322	5,363	2,139	367	30	231	64	128
1977	8,796	5,567	2,413	382	21	215	67	131
1978	8,845	5,458	2,444	434	14	277	53	165
1979	8,427	5,228	2,320	346	19	254	81	179
1980	6,815	4,261	1,791	308	7	217	69	162
1981	6,270	3,817	1,660	347	11	198	79	158
1982	5,743	3,570	1,427	335	6	193	56	156
1983	7,934	5,088	1,877	445	6	270	69	179
1984	8,329	5,538	1,753	426	8	288	87	229
1985	8,062	5,449	1,555	432	8	316	73	229

1/ Coast region includes western Washington and western Oregon.

2/ Western hemlock and white fir combined. Before 1979, data are for white fir only; since 1979, data are for white fir and hemlock combined.

Source: Western Wood Products Association, Portland, Oregon.

Table 5--Softwood lumber and plywood production in British Columbia, 1975-85

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	Million board feet			Million sq ft, 3/8-inch basis
1975	7,469	2,507	4,962	1,778
1976	10,680	3,988	6,692	2,191
1977	12,038	4,499	7,539	2,343
1978	12,545	4,803	7,742	2,510
1979	12,517	4,657	7,860	2,307
1980	11,979	4,252	7,727	2,230
1981	10,424	3,458	6,966	1,923
1982	9,944	3,002	6,942	1,616
1983	13,043	4,140	8,903	1,992
1984	13,078	3,903	9,175	1,754
1985	14,004	3,996	10,008	1,855

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 6--Wholesale prices of selected lumber products, 1975-86

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/12', KD, net, f.o.b. mill	Ponderosa pine boards, no. 3, 1 by 12 RL, KD, net, f.o.b. mill	Ponderosa pine, no. 2 shop, 6/4 RWRL, S2S, net, f.o.b. mill	Fir-larch std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill	Spruce-pine-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill
1975	148.00	144.00	205.00	144.00	117.00
1976	178.00	188.00	318.00	169.00	151.00
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986:					
January	197.20	261.00	495.00	179.20	151.80
February	196.25	273.75	495.00	181.00	154.50
March	215.75	297.50	495.00	220.50	193.50
Average, 1st quarter	203.07	277.42	495.00	193.57	166.60
April	227.50	277.50	507.50	228.00	200.00
May	213.60	250.00	545.00	206.80	185.00
June	200.75	250.00	593.75	192.00	170.50
Average, 2d quarter	213.95	259.17	548.75	208.93	185.17
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1986 average					
	- - - - - - - - - - - - - - - - - 2d quarter 1986 change, in percent - - - - - - - - - - - - - - - - -				
From:					
1st quarter 1986	5.3	-6.6	10.9	7.9	11.2
2d quarter 1985	1.4	13.1	10.9	4.0	19.0

Source: Random Lengths Publications, Inc.

Table 7--Wholesale prices of selected softwood plywood products, 1975-86

(In dollars per thousand square feet)

Year	Sheathing, western exterior, 3/8-inch, CD, net f.o.b. mill	Sheathing, southern (west) 1/ exterior, 3/8-inch, CD, net f.o.b. mill	Sanded, western interior, 1/4-inch, AD, net f.o.b. mill
1975	99.00	95.00	146.00
1976	127.00	125.00	160.00
1977	157.00	159.00	183.00
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986:			
January	149.40	146.60	171.60
February	144.75	148.25	171.25
March	163.50	154.75	184.00
Average, 1st quarter	152.55	149.87	175.62
April	168.00	156.00	189.00
May	162.60	149.40	182.40
June	158.50	147.00	175.50
Average, 2d quarter	163.00	150.80	182.30
July			
August			
September			
Average, 3d quarter			
October			
November			
December			
Average, 4th quarter			
1986 average			
	- - - - - - - 2d quarter 1986 change, in percent - - - - - -		
From:			
1st quarter 1986	6.9	.6	3.8
2d quarter 1985	8.9	2.8	2.0

1/ Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 8--F.o.b. mill prices for Douglas-fir lumber, coast mills, 1975-86

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1975	405.84	224.78	184.85	83.80	138.77	164.92	44.62
1976	486.23	276.45	229.01	109.84	173.76	216.59	49.12
1977	503.86	342.38	288.67	147.56	215.43	260.68	60.61
1978	592.86	406.35	324.74	170.03	235.28	284.49	85.69
1979	891.29	480.10	409.96	179.20	245.72	334.22	85.89
1980	929.30	505.72	365.27	150.12	172.60	270.80	85.46
1981	746.77	426.09	328.91	136.73	192.99	262.91	83.25
1982	647.96	375.11	283.02	126.45	159.43	198.34	77.91
1983	684.91	425.96	261.85	161.77	200.75	222.39	87.33
1984	688.00	407.27	249.18	136.60	189.29	222.89	71.69
1985	671.46	409.79	248.70	130.79	190.04	226.08	67.63
1986:							
1st quarter	678.43	389.02	235.38	128.57	180.71	219.64	66.47
2d quarter	727.32	409.46	239.76	141.47	196.88	236.61	72.17
3d quarter							
4th quarter							
1986 average							

Source: Western Wood Products Association.

Table 9--Employment in forest products industries in Washington and Oregon, 1975-86

(In thousands of persons)

Year	Washington and Oregon			Washington			Oregon		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8
1976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1
1977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8
1979	159.0	133.4	25.6	68.4	52.6	15.8	90.6	80.8	9.8
1980	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4
1981	135.6	108.1	27.5	61.6	44.4	17.2	74.0	63.7	10.3
1982	120.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7
1983	128.1	103.1	25.0	56.8	41.1	15.7	71.3	62.0	9.3
1984	131.6	106.2	25.4	57.2	41.0	16.2	74.4	65.2	9.2
1985	126.8	101.5	25.2	53.4	37.3	16.0	73.4	64.2	9.1
1986:									
January	123.4	98.0	25.4	52.1	35.9	16.2	71.3	62.1	9.2
February	122.8	97.7	25.1	51.9	35.9	16.0	70.9	61.8	9.1
March	123.4	98.2	25.2	52.0	35.9	16.1	71.4	62.3	9.1
Average, 1st quarter	123.2	98.0	25.2	52.0	35.9	16.1	71.2	62.1	9.1
April	125.3	100.3	25.0	52.6	36.6	16.0	72.7	63.7	9.0
May	126.9	101.8	25.1	53.3	37.2	16.1	73.6	64.6	9.0
June	130.8	105.0	25.8	54.5	38.1	16.4	76.3	66.9	9.4
Average, 2d quarter	127.7	102.4	25.3	53.5	37.3	16.2	74.2	65.1	9.1
July									
August									
September									
Average, 3d quarter									
October									
November									
December									
Average, 4th quarter									
1986 average									
	- - - - - - - - - - - - - - - - - - 2d quarter 1986 change in employment - - - - - - - - - - - - - - - - - -								
From:									
1st qtr. 1986	4.5	4.4	.1	1.5	1.4	.1	3.0	3.0	0.0
2d qtr. 1985	1.0	.9	.2	0.0	-.3	.3	1.0	1.1	0.0

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

Table 10--Employment in forest products industries in California and Alaska, 1975-86

(In thousands of persons)

Year	California			Alaska		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	87.3	52.8	34.5	--	2.0	1/
1976	96.6	59.9	36.7	3.4	2.3	1.1
1977	104.2	66.6	37.6	3.6	2.2	1.4
1978	107.1	69.9	37.2	2.9	1.8	1.1
1979	107.8	68.7	39.1	3.0	2.0	1.0
1980	101.3	62.6	38.7	3.4	2.3	1.1
1981	96.6	57.9	38.7	2.8	1.9	.9
1982	83.7	46.2	37.5	2.6	1.8	.8
1983	87.5	50.2	37.3	2.7	1.9	.8
1984	94.5	55.4	39.1	2.2	1.6	.6
1985	95.7	55.9	39.8	2.3	1.7	.6
1986:						
January	91.5	52.5	39.0	1.7	.9	.8
February	91.5	52.5	39.0	2.0	1.2	.8
March	91.9	53.4	38.5	2.3	1.5	.8
Average, 1st quarter	91.6	52.8	38.8	2.0	1.2	.8
April						
May						
June						
Average, 2d quarter						
July						
August						
September						
Average, 3d quarter						
October						
November						
December						
Average, 4th quarter						
1986 average						
	- - - - - - - - - - - - - 1st quarter 1986 change in employment - - - - - - - - - - - - -					
From:						
4th quarter 1985	-4.7	-3.5	-1.2	-.3	-.4	.1
1st quarter 1985	.6	1.5	-.9	.2	.1	.1

1/ Withheld to avoid disclosure.

Source: State employment agencies. Data are based on place of residence.

Table 11--Employment in forest products industries in Montana and Idaho, 1975-86

(In thousands of persons)

Year	Montana			Idaho	
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	8.1	1/	16.8	15.7	1.1
1976	9.1	1/	18.6	17.4	1.2
1977	9.3	1/	19.0	17.8	1.2
1978	10.7	1/	20.1	18.8	1.3
1979	11.1	1/	19.9	18.5	1.4
1980	8.7	1/	17.5	16.1	1.4
1981	8.8	1/	16.6	15.1	1.5
1982	6.8	1/	13.6	12.1	1.5
1983	8.0	1/	15.7	14.0	1.7
1984	8.3	1/	15.6	13.9	1.7
1985	8.4	1/	15.4	13.6	1.8
1986:					
January	7.7	1/	15.1	13.3	1.8
February	7.6	1/	14.6	12.8	1.8
March	7.8	1/	13.2	11.4	1.8
Average, 1st quarter	7.7	1/	14.3	12.5	1.8
April	7.8	1/	13.4	11.6	1.8
May	7.8	1/	14.0	12.2	1.8
June	8.2	1/	15.3	13.5	1.8
Average, 2d quarter	7.9	1/	14.2	12.4	1.8
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1986 average					
	- - - - - - - - - - - 2d quarter 1986 change in employment - - - - - - - - - - -				
From:					
1st quarter 1986	.2	1/	-.1	-.1	0.0
2d quarter 1985	-.2	1/	-.7	-.8	.1

1/ Withheld to avoid disclosing figures for individual companies.

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Data are based on place of residence.

Table 12--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	2,225,487	765,840	24,361	1,435,286	1,427,387	437,290	990,097	798,100	328,550	24,361	445,189
1976	2,737,074	945,649	26,576	1,764,849	1,792,944	527,889	1,265,055	944,130	417,760	26,576	499,794
1977	2,555,615	966,763	16,721	1,572,131	1,674,860	556,419	1,118,441	880,755	410,344	16,721	453,690
1978	2,847,394	1,139,267	24,493	1,683,634	1,915,979	619,500	1,296,479	931,415	519,767	24,493	387,155
1979	3,233,652	1,309,179	22,693	1,901,780	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,817	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,882	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985:											
1st qtr.	696,431	416,940	2,763	276,728	423,305	200,537	222,768	273,126	216,403	2,763	53,960
2d qtr.	842,518	493,809	2,190	346,519	537,205	239,213	297,992	305,313	254,596	2,190	48,527
3d qtr.	774,910	466,628	3,135	305,147	487,057	232,399	254,658	287,853	234,229	3,135	50,489
4th qtr.	690,266	372,306	4,279	313,681	431,303	172,132	259,171	258,963	200,174	4,279	54,510
1985 total	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986:											
1st qtr.	710,375	435,807	2,511	272,057	458,181	228,426	229,755	252,194	207,381	2,511	42,302
2d qtr.	677,594	387,860	246	289,488	431,667	189,356	242,311	245,927	198,504	246	47,177
3d qtr.											
4th qtr.											
1986 total											
					To Japan						
1975	2,014,244	732,264	24,361	1,257,619	1,255,817	410,721	845,096	758,427	321,543	24,361	412,523
1976	2,547,037	901,911	24,573	1,620,553	1,623,064	491,451	1,131,613	923,973	410,460	24,573	488,940
1977	2,348,325	933,813	16,721	1,397,791	1,496,627	526,255	970,372	851,698	407,558	16,721	427,419
1978	2,521,885	1,103,562	22,814	1,395,509	1,630,247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1,279,177	20,611	1,659,938	1,998,315	705,921	1,292,394	961,411	573,256	20,611	367,544
1980	2,344,322	1,175,407	12,300	1,156,615	1,488,494	602,605	885,889	855,828	572,802	12,300	270,726
1981	1,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	1,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985:											
1st qtr.	436,835	298,301	2,758	135,776	226,796	128,395	98,401	210,039	169,906	2,758	37,375
2d qtr.	384,241	246,379	1,974	135,888	209,518	103,268	106,250	174,723	143,111	1,974	29,638
3d qtr.	394,127	236,384	2,969	154,774	235,771	112,452	123,319	158,356	123,932	2,969	31,455
4th qtr.	401,858	233,742	4,245	163,871	244,338	110,528	133,810	157,520	123,214	4,245	30,061
1985 total	1,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986:											
1st qtr.	408,373	263,123	2,511	142,739	235,198	121,243	113,955	173,175	141,880	2,511	28,784
2d qtr.	393,424	277,247	230	115,947	212,686	119,539	93,147	180,738	157,708	230	22,800
3d qtr.											
4th qtr.											
1986 total											

Table 12--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	58,506	16,793	--	41,713	58,506	16,793	41,713	--	--	--	--
1976	48,289	14,803	--	33,486	48,289	14,803	33,486	--	--	--	--
1977	15,698	9,531	--	6,167	15,698	9,531	6,167	--	--	--	--
1978	12,638	9,361	--	3,277	12,638	9,361	3,277	--	--	--	--
1979	24,124	7,737	--	16,387	24,124	7,737	16,387	--	--	--	--
1980	985	395	--	590	985	395	590	--	--	--	--
1981	1,332	392	--	940	1,332	392	940	--	--	--	--
1982	4,757	635	--	4,122	4,757	635	4,122	--	--	--	--
1983	5,216	397	--	4,819	5,216	397	4,819	--	--	--	--
1984	10,461	2,406	--	8,055	10,461	2,406	8,055	--	--	--	--
1985:											
1st qtr.	5,244	15	--	5,229	5,244	15	5,229	--	--	--	--
2d qtr.	8,731	16	--	8,715	8,731	16	8,715	--	--	--	--
3d qtr.	9,024	5	--	9,019	9,024	5	9,019	--	--	--	--
4th qtr.	9,803	--	--	9,803	9,803	--	9,803	--	--	--	--
1985 total	32,802	36	--	32,766	32,802	36	32,766	--	--	--	--
1986:											
1st qtr.	2,065	--	--	2,065	2,065	--	2,065	--	--	--	--
2d qtr.	3,583	230	--	3,353	3,583	230	3,353	--	--	--	--
3d qtr.											
4th qtr.											
1986 total											
To South Korea											
1975	79,022	13,946	--	65,076	42,100	9,100	33,000	36,922	4,846	--	32,076
1976	130,069	26,454	--	103,615	117,007	21,068	95,939	13,062	5,386	--	7,676
1977	187,967	21,201	--	166,766	162,252	20,418	141,834	25,715	783	--	24,932
1978	307,865	24,844	--	283,021	271,887	20,426	251,461	35,978	4,418	--	31,560
1979	245,314	20,342	--	224,972	227,072	18,653	208,419	18,242	1,689	--	16,553
1980	191,387	11,796	--	179,591	163,988	9,549	154,439	27,399	2,247	--	25,152
1981	147,833	10,919	--	136,914	132,675	9,333	123,342	15,158	1,586	--	13,572
1982	254,736	27,809	--	226,927	220,126	23,841	196,285	34,610	3,968	--	30,642
1983	285,638	19,388	--	266,250	259,368	16,406	242,962	26,270	2,982	--	23,288
1984	264,249	6,007	7	258,235	236,609	4,790	231,819	27,640	1,217	7	26,416
1985:											
1st qtr.	90,382	2,604	--	87,778	78,146	2,152	75,994	12,236	452	--	11,784
2d qtr.	79,235	2,168	--	77,067	72,812	1,168	71,644	6,423	1,000	--	5,423
3d qtr.	63,740	3,707	--	60,033	56,445	2,763	53,682	7,295	944	--	6,351
4th qtr.	64,272	2,267	34	61,971	56,262	817	55,445	8,010	1,450	34	6,526
1985 total	297,629	10,746	34	286,849	263,665	6,900	256,765	33,964	3,846	34	30,084
1986:											
1st qtr.	67,224	1,683	--	65,541	58,211	1,388	56,823	9,013	295	--	8,718
2d qtr.	99,713	3,895	16	95,802	87,797	3,513	84,284	11,916	382	16	11,518
3d qtr.											
4th qtr.											
1986 total											
To Mainland China											
1980	87,785	69,901	--	17,884	43,271	31,884	11,387	44,514	38,017	--	6,497
1981	219,237	149,592	--	69,645	170,779	111,058	59,721	48,458	38,534	--	9,924
1982	533,102	390,047	--	143,055	358,762	244,198	114,564	174,340	145,849	--	28,491
1983	699,240	497,020	--	202,220	535,418	347,576	187,842	163,822	149,444	--	14,378
1984	845,188	624,676	--	220,512	589,661	402,321	187,340	255,527	222,355	--	33,172
1985:											
1st qtr.	159,172	115,696	--	43,476	108,347	69,651	38,696	50,825	46,045	--	4,780
2d qtr.	363,834	243,182	--	120,652	241,909	134,723	107,186	121,925	108,459	--	13,466
3d qtr.	305,057	224,098	--	80,959	183,044	114,768	68,276	122,013	109,330	--	12,683
4th qtr.	201,496	133,297	--	68,199	111,070	60,787	50,283	90,426	72,510	--	17,916
1985 total	1,029,559	716,273	--	313,286	644,370	379,929	264,441	385,189	336,344	--	48,845
1986:											
1st qtr.	232,555	170,959	--	61,596	162,561	105,765	56,796	69,994	65,194	--	4,800
2d qtr.	172,511	101,072	--	71,439	123,487	64,907	58,580	49,024	36,165	--	12,859
3d qtr.											
4th qtr.											
1986 total											

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 13--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	603,854	202,337	16,758	384,759	376,706	111,919	264,787	227,148	90,418	16,758	119,972
1976	775,113	266,523	20,086	488,504	490,246	141,989	348,257	284,867	124,534	20,087	140,247
1977	826,698	311,269	17,049	498,380	526,412	171,541	354,871	300,286	139,728	17,049	143,509
1978	992,207	413,645	24,923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128,126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,858	634,898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985:											
1st qtr.	228,180	142,835	3,369	81,976	130,707	65,668	65,039	97,473	77,166	3,369	16,937
2d qtr.	272,660	166,379	2,346	103,936	168,661	79,158	89,504	103,999	87,221	2,346	14,433
3d qtr.	247,317	153,208	4,004	90,105	150,219	74,826	75,393	97,099	78,383	4,004	14,712
4th qtr.	224,311	124,175	4,447	95,689	137,387	58,204	79,183	86,924	65,971	4,447	16,506
1985 total	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62,588
1986:											
1st qtr.	235,304	148,923	2,679	83,702	147,430	76,036	71,394	87,874	72,887	2,679	12,308
2d qtr.	222,438	134,584	140	87,714	136,622	62,967	73,654	85,816	71,617	140	14,059
3d qtr.											
4th qtr.											
1986 total											
					To Japan						
1975	560,754	195,469	16,758	348,527	341,885	107,149	234,736	218,869	88,320	16,758	113,791
1976	734,412	256,673	17,918	459,821	457,248	134,894	322,354	277,164	121,779	17,918	137,467
1977	776,630	303,248	17,049	456,333	484,006	164,626	319,380	292,624	138,622	17,049	136,953
1978	908,627	404,134	22,763	481,730	566,494	204,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910,338	323,034	587,304	477,264	289,126	22,271	165,867
1980	1,190,875	593,484	16,596	580,795	750,369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451,171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302,800	148,370	154,430	232,375	176,114	13,946	42,315
1985:											
1st qtr.	152,073	107,131	3,365	41,577	73,661	43,876	29,785	78,412	63,255	3,365	11,792
2d qtr.	134,135	88,147	2,241	43,747	71,032	36,257	34,774	63,103	51,890	2,241	8,973
3d qtr.	133,622	82,429	3,927	47,265	75,896	37,950	37,945	57,727	44,479	3,927	9,320
4th qtr.	140,845	82,327	4,432	54,086	83,933	39,513	44,421	56,912	42,814	4,432	9,665
1985 total	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986:											
1st qtr.	147,019	96,921	2,679	47,418	80,922	42,757	38,165	66,097	54,164	2,679	9,254
2d qtr.	139,622	101,416	117	38,088	72,339	41,630	30,709	67,283	59,786	117	7,380
3d qtr.											
4th qtr.											
1986 total											

Table 13--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	8,313	2,937	--	5,376	8,313	2,937	5,376	--	--	--	--
1976	7,908	2,733	--	5,175	7,908	2,733	5,175	--	--	--	--
1977	3,545	2,154	--	1,391	3,545	2,154	1,391	--	--	--	--
1978	2,933	2,129	--	804	2,933	2,129	804	--	--	--	--
1979	7,223	2,435	--	4,788	7,223	2,435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	--	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1,046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	--
1985:											
1st qtr.	692	7	--	685	692	7	685	--	--	--	--
2d qtr.	1,646	8	--	1,638	1,646	8	1,638	--	--	--	--
3d qtr.	2,308	1	--	2,307	2,308	1	2,307	--	--	--	--
4th qtr.	1,745	--	--	1,745	1,745	--	1,745	--	--	--	--
1985 total	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986:											
1st qtr.	219	--	--	219	219	--	219	--	--	--	--
2d qtr.	1,036	32	--	1,005	1,036	32	1,005	--	--	--	--
3d qtr.											
4th qtr.											
1986 total											
To South Korea											
1975	14,757	2,688	--	12,069	7,912	1,648	6,264	6,845	1,040	--	5,805
1976	27,546	5,664	--	21,882	24,400	4,350	20,050	3,146	1,315	--	1,831
1977	44,949	4,811	--	40,138	38,738	4,672	34,066	6,211	139	--	6,072
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8,865	1,059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8,730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8,022
1985:											
1st qtr.	25,682	700	--	24,982	21,816	584	21,232	3,866	116	--	3,750
2d qtr.	22,962	607	--	22,355	20,865	287	20,578	2,097	320	--	1,777
3d qtr.	18,790	936	--	17,854	16,516	677	15,840	2,273	259	--	2,014
4th qtr.	18,178	560	15	17,603	15,881	148	15,733	2,297	413	15	1,869
1985 total	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1,108	15	9,410
1986:											
1st qtr.	19,130	504	--	18,626	16,780	427	16,352	2,351	77	--	2,274
2d qtr.	28,828	1,049	23	27,756	25,389	933	24,455	3,439	115	23	3,301
3d qtr.											
4th qtr.											
1986 total											
To Mainland China											
1980	41,433	34,285	--	7,148	21,326	16,692	4,634	20,107	17,593	--	2,514
1981	88,000	63,977	--	24,023	67,639	47,363	20,276	20,361	16,614	--	3,747
1982	207,078	158,699	--	48,379	138,219	99,194	39,025	68,859	59,505	--	9,354
1983	220,458	161,616	--	58,842	164,982	110,449	54,533	55,476	51,167	--	4,309
1984	264,969	199,224	--	65,745	184,041	128,413	55,628	80,928	70,811	--	10,116
1985:											
1st qtr.	48,486	34,930	--	13,556	33,307	21,135	12,171	15,180	13,795	--	1,385
2d qtr.	111,982	76,928	--	35,054	73,947	42,576	31,371	38,035	34,352	--	3,683
3d qtr.	91,691	69,113	--	22,578	54,682	35,481	19,200	37,010	33,632	--	3,378
4th qtr.	60,018	40,373	--	19,645	33,228	18,543	14,685	26,790	21,830	--	4,960
1985 total	312,178	221,344	--	90,834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986:											
1st qtr.	68,881	51,472	--	17,409	49,465	32,836	16,629	19,416	18,636	--	780
2d qtr.	50,708	30,502	--	20,207	36,862	20,033	16,828	13,847	10,468	--	3,379
3d qtr.											
4th qtr.											
1986 total											

Note: Individual columns may not add to totals because of rounding.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 14--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	271.34	264.20	687.90	268.07	263.91	255.94	267.43	284.61	275.20	687.90	269.49
1976	283.19	281.84	755.83	276.80	273.43	268.98	275.29	301.73	298.10	755.83	280.61
1977	323.48	321.97	1,019.62	317.01	314.30	308.29	317.26	340.94	340.51	1,019.62	316.32
1978	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985:											
1st qtr.	327.64	342.58	1,219.31	296.24	308.78	327.46	291.96	356.88	356.59	1,219.31	313.89
2d qtr.	323.63	336.93	1,071.05	299.94	313.96	330.91	300.36	340.63	342.58	1,071.05	297.41
3d qtr.	319.16	328.33	1,277.07	295.29	308.42	321.97	296.06	337.32	334.64	1,277.06	291.39
4th qtr.	324.96	333.53	1,039.35	305.05	318.54	338.14	305.52	335.66	329.57	1,039.35	302.80
1985 average	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986:											
1st qtr.	331.24	341.72	1,067.03	307.66	321.77	332.87	310.74	348.44	351.46	1,067.03	290.95
2d qtr.	328.28	346.99	568.77	303.00	316.50	332.53	303.97	348.95	360.78	568.77	298.01
3d qtr.											
4th qtr.											
1986 average											
					To Japan						
1975	278.39	266.94	687.90	277.13	272.24	260.88	277.76	288.58	274.68	687.90	275.84
1976	288.34	284.59	729.17	283.74	281.72	274.48	284.86	299.97	296.69	729.17	281.15
1977	330.72	324.74	1,019.62	326.47	323.40	312.83	329.13	343.58	340.13	1,019.62	320.42
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985:											
1st qtr.	348.13	359.14	1,220.07	306.22	324.79	341.73	302.69	373.32	372.30	1,220.07	315.51
2d qtr.	349.09	357.77	1,135.01	321.93	339.02	351.10	327.29	361.16	362.59	1,135.01	302.74
3d qtr.	339.03	348.71	1,322.82	305.38	321.90	337.48	307.70	364.54	358.90	1,322.82	296.30
4th qtr.	350.48	352.21	1,044.14	330.05	343.51	357.49	331.97	361.30	347.48	1,044.14	321.52
1985 average	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986:											
1st qtr.	360.01	368.35	1,067.03	332.20	344.06	352.66	334.91	381.68	381.76	1,067.03	321.49
2d qtr.	354.89	365.80	508.91	328.50	340.12	348.25	329.68	372.27	379.10	508.91	323.67
3d qtr.											
4th qtr.											
1986 average											

Table 14--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To Canada						
1975	142.09	174.89	--	128.88	142.09	174.89	128.88	--	--	--	--
1976	163.76	184.62	--	154.54	163.76	184.62	154.54	--	--	--	--
1977	225.82	226.00	--	225.56	225.82	226.00	225.56	--	--	--	--
1978	232.08	227.43	--	245.35	232.08	227.43	245.35	--	--	--	--
1979	299.41	314.72	--	292.78	299.41	314.72	292.18	--	--	--	--
1980	327.92	336.71	--	322.03	327.92	336.71	322.03	--	--	--	--
1981	347.60	441.33	--	308.51	347.60	441.33	308.51	--	--	--	--
1982	224.51	215.75	--	225.86	224.51	215.75	225.86	--	--	--	--
1983	200.35	138.54	--	205.44	200.35	137.46	205.44	--	--	--	--
1984	198.93	228.18	--	190.07	198.93	228.18	190.07	--	--	--	--
1985:											
1st qtr.	131.92	484.07	--	130.91	131.92	484.07	130.91	--	--	--	--
2d qtr.	188.47	500.00	--	187.90	188.47	500.00	187.90	--	--	--	--
3d qtr.	255.79	235.60	--	255.80	255.79	235.60	255.80	--	--	--	--
4th qtr.	177.98	--	--	177.98	177.98	--	177.98	--	--	--	--
1985 average	194.82	456.64	--	194.53	194.82	456.64	194.53	--	--	--	--
1986:											
1st qtr.	106.04	--	--	106.04	106.04	--	106.04	--	--	--	--
2d qtr.	289.18	137.14	--	299.61	289.18	137.14	299.61	--	--	--	--
3d qtr.											
4th qtr.											
1986 average											
					To South Korea						
1975	186.74	192.74	--	185.46	187.93	181.10	189.82	185.39	214.61	--	180.98
1976	211.78	214.11	--	211.19	208.53	206.47	208.93	240.77	244.77	--	238.54
1977	239.13	226.92	--	240.68	238.75	228.82	240.18	241.53	177.52	--	243.54
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	--	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	--	351.48
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	--	347.09
1981	321.18	368.81	--	317.38	324.46	376.41	320.53	292.45	324.29	--	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	--	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	--	309.95
1984	292.67	286.83	281.14	292.81	291.41	283.51	291.32	303.51	299.92	281.14	303.68
1985:											
1st qtr.	284.15	268.82	--	284.60	279.17	271.23	279.39	315.96	257.38	--	318.20
2d qtr.	289.79	279.90	--	290.07	286.55	245.57	287.22	326.50	320.00	--	327.70
3d qtr.	294.79	252.45	--	297.40	292.61	244.96	295.06	311.64	274.36	--	317.19
4th qtr.	282.83	247.18	441.18	284.05	282.27	180.97	283.77	286.73	284.48	441.18	286.43
1985 average	287.64	260.84	441.18	288.63	284.75	245.68	285.80	310.13	288.05	441.18	312.81
1986:											
1st qtr.	284.58	299.44	--	284.19	288.26	307.82	287.78	260.81	260.00	--	260.84
2d qtr.	289.11	269.23	1,429.31	289.73	289.17	265.67	290.15	288.62	301.96	1,429.31	286.59
3d qtr.											
4th qtr.											
1986 average											
					To Mainland China						
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	--	386.95
1981	401.39	427.68	--	344.94	396.06	426.47	339.51	420.18	431.15	--	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	--	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	--	298.15	312.11	319.18	296.94	316.71	318.46	--	304.96
1985:											
1st qtr.	304.62	301.91	--	311.81	307.41	303.44	314.54	298.66	299.60	--	289.68
2d qtr.	307.78	316.34	--	290.54	305.68	316.02	292.68	311.95	316.73	--	273.50
3d qtr.	300.57	308.41	--	278.88	298.74	309.16	281.22	303.33	307.62	--	266.32
4th qtr.	297.86	302.88	--	288.06	299.16	305.05	292.04	296.27	301.06	--	276.87
1985 average	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	--	274.46
1986:											
1st qtr.	296.19	301.08	--	282.64	304.29	310.46	292.79	277.40	285.86	--	162.40
2d qtr.	293.94	301.78	--	282.85	298.51	308.65	287.27	282.45	289.46	--	262.74
3d qtr.											
4th qtr.											
1986 average											

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 15--Softwood log exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
		To all countries		
1975	86,943	52,547	2,483	31,913
1976	109,812	73,924	2,508	33,380
1977	70,902	38,302	2,331	30,269
1978	72,650	49,024	2,880	20,746
1979	65,492	37,551	1,611	26,330
1980	31,672	7,287	653	23,732
1981	25,586	5,890	1,381	18,315
1982	19,507	12,609	6	6,892
1983	33,519	3,643	300	29,576
1984	47,115	16,339	1,764	29,012
1985:				
1st quarter	13,269	4,371	362	8,536
2d quarter	15,244	7,400	--	7,844
3d quarter	23,451	16,596	--	6,855
4th quarter	10,616	5,600	910	4,106
1985 total	62,580	33,967	1,272	27,341
1986:				
1st quarter	10,569	3,900	--	6,669
2d quarter	5,615	217	--	5,398
3d quarter				
4th quarter				
1986 total				
		To Japan		
1975	78,813	48,188	2,483	28,142
1976	96,485	69,395	2,853	24,237
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979	57,938	37,411	1,611	18,916
1980	27,180	7,055	653	19,472
1981	20,708	1,024	1,381	18,303
1982	9,022	3,270	6	5,746
1983	24,308	3,626	300	20,382
1984	26,251	2,954	1,764	21,533
1985:				
1st quarter	8,954	56	362	8,536
2d quarter	542	--	--	542
3d quarter	10,746	3,900	--	6,846
4th quarter	5,001	--	910	4,091
1985 total	25,243	3,956	1,272	20,015
1986:				
1st quarter	6,653	--	--	6,653
2d quarter	2,410	217	--	2,193
3d quarter				
4th quarter				
1986 total				
		To Mainland China		
1982	9,292	9,282	--	10
1983	8,302	--	--	8,302
1984	13,568	8,875	--	4,693
1985:				
1st quarter	4,315	4,315	--	--
2d quarter	14,694	7,400	--	7,294
3d quarter	12,696	12,696	--	--
4th quarter	5,600	5,600	--	--
1985 total	37,305	30,011	--	7,294
1986:				
1st quarter	3,900	3,900	--	--
2d quarter	3,197	--	--	3,197
3d quarter				
4th quarter				
1986 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 16--Softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In million board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	366.8	32.2	230.0	261.3	48.6	284.7	469.2	--	32.9	1,725.7
1976	502.1	30.5	277.2	397.4	7.5	324.5	623.7	0	28.5	2,191.4
1977	402.1	42.1	237.7	328.2	68.7	304.6	607.6	--	12.0	2,003.0
1978	512.2	41.1	321.8	325.8	87.1	387.2	559.7	--	7.0	2,241.0
1979	648.7	50.9	332.8	366.1	101.0	505.0	601.7	--	9.9	2,616.1
1980	498.2	38.0	287.3	387.0	80.2	295.1	497.1	.1	3.1	2,086.1
1981	414.3	16.7	208.4	215.9	47.3	168.0	446.2	.1	14.9	1,531.8
1982	552.3	11.0	310.3	374.5	62.6	152.6	494.1	--	13.9	1,971.3
1983	658.1	6.7	292.5	318.3	40.4	200.6	540.7	--	.6	2,057.9
1984	633.1	22.1	282.0	352.6	64.4	269.5	628.2	.8	2.0	2,255.5
1985:										
1st quarter	146.7	6.0	72.2	109.1	28.5	79.0	90.0	0	.9	532.4
2d quarter	234.1	13.3	65.9	111.2	4.3	107.6	110.9	0	1.2	648.4
3d quarter	163.4	7.6	78.3	74.7	1.5	76.3	159.1	0	.8	560.7
4th quarter	140.4	17.4	88.0	58.1	0	71.4	112.5	0	1.6	489.4
1985 total	684.6	44.3	304.4	352.0	34.2	334.3	472.5	0	4.4	2,230.8
1986:										
1st quarter	170.0	5.2	62.8	38.7	2.0	94.7	122.4	0	1.1	496.9
2d quarter	125.8	6.5	71.3	78.2	0	89.7	135.5	0	2.8	509.9
3d quarter										
4th quarter										
1986 total										

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	245.7	134.1	137.5	44.5	561.8	66.6	19.9	0	1.4	87.9
1976	273.3	144.6	99.5	28.0	545.4	83.7	26.1	0	--	109.8
1977	210.2	120.1	207.0	15.4	552.7	39.2	25.5	0	6.3	71.0
1978	168.4	145.1	277.0	15.0	605.5	46.1	18.4	--	8.2	72.7
1979	150.1	128.2	322.0	17.2	617.5	43.0	6.0	0	16.5	65.6
1980	134.7	135.2	275.8	0	545.7	14.9	3.9	.5	12.3	31.6
1981	73.3	113.8	268.2	0	455.3	6.6	13.3	0	5.6	25.5
1982	93.3	191.1	309.5	2.3	596.2	16.0	.7	0	1.2	17.9
1983	69.0	153.5	309.9	1.1	533.5	17.1	16.3	0	.1	33.5
1984	66.5	233.4	272.9	7.6	580.5	27.4	16.5	0	3.2	47.1
1985:										
1st quarter	8.4	63.9	91.8	0	164.1	6.8	5.5	0	1.0	13.3
2d quarter	14.6	79.1	100.4	0	194.1	15.2	0	0	.1	15.2
3d quarter	28.1	81.9	92.1	12.2	214.2	18.2	5.2	0	0	23.5
4th quarter	12.6	97.7	77.2	13.4	200.9	6.5	4.1	0	0	10.6
1985 total	63.6	322.9	361.5	25.6	773.3	46.7	14.8	0	1.1	62.6
1986:										
1st quarter	11.9	66.7	111.7	23.2	213.5	5.7	4.9	0	0	10.6
2d quarter	9.7	60.3	91.0	6.8	167.7	1.8	3.8	0	0	5.6
3d quarter										
4th quarter										
1986 total										

Note: Individual columns may not add to totals because of rounding.

1/ State totals as presented here for Washington and Oregon do not agree with those in table 12 because customs districts as used in table 12 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 17--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In dollars per thousand board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	256.17	297.84	273.29	280.90	273.90	253.46	266.63	--	279.01	266.30
1976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	0	252.97	277.26
1977	311.97	296.28	309.82	336.01	331.68	294.59	327.76	--	263.80	317.86
1978	332.92	295.77	334.87	379.57	347.93	319.97	340.91	--	344.67	339.68
1979	452.52	376.18	455.44	518.19	499.12	424.46	428.19	--	492.38	451.64
1980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.76
1981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.06	428.32
1982	354.51	374.42	366.86	420.02	358.61	362.47	429.08	--	372.14	388.57
1983	314.28	364.25	345.30	361.03	405.78	336.07	344.01	442.46	623.79	337.90
1984	311.83	293.83	324.35	353.46	326.45	329.95	270.28	343.27	303.70	310.74
1985:										
1st quarter	296.38	289.69	293.11	351.97	305.04	318.05	335.18	0	373.64	317.63
2d quarter	303.59	260.44	319.83	350.26	305.35	307.40	343.83	0	496.88	320.18
3d quarter	296.12	309.43	318.51	325.29	310.65	289.15	325.47	0	263.43	310.64
4th quarter	299.75	258.21	333.61	335.91	0	295.21	352.89	0	418.18	320.60
1985 average	299.48	271.99	317.14	343.20	305.33	303.15	338.16	0	401.64	317.27
1986:										
1st quarter	303.47	228.39	343.92	358.68	307.70	320.21	339.46	0	525.90	343.30
2d quarter	289.84	277.51	327.56	353.31	0	318.03	336.15	458.60	304.74	322.14
3d quarter										
4th quarter										
1986 average										

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.62
1976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0	--	312.31
1977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	0	338.45	335.14
1978	325.32	512.44	366.77	330.78	389.23	353.99	362.18	--	372.07	358.09
1979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.65
1980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
1981	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
1982	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
1983	302.95	411.99	362.85	320.00	369.15	315.41	370.37	0	1,028.53	345.23
1984	296.11	367.28	350.19	300.95	350.22	366.75	358.63	0	447.55	361.38
1985:										
1st quarter	295.94	383.22	349.92	0	360.14	240.49	351.22	0	451.48	302.21
2d quarter	284.96	349.50	331.06	0	335.12	287.99	0	0	1,072.94	290.57
3d quarter	280.52	368.22	340.23	311.35	341.46	285.70	380.13	0	1,053.33	306.99
4th quarter	316.57	345.83	333.05	293.47	335.59	300.19	280.99	0	680.00	293.33
1985 average	290.70	359.82	338.61	301.97	342.31	281.93	342.02	0	489.64	299.66
1986:										
1st quarter	281.93	386.01	345.84	269.80	346.58	258.19	344.24	0	666.67	298.86
2d quarter	295.05	340.10	361.69	283.33	346.92	263.68	349.03	0	960.93	326.60
3d quarter										
4th quarter										
1986 average										

1/ State averages as presented here for Washington and Oregon do not agree with those in table 14 because customs districts as used in table 14 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 18--Volume and average value of softwood log exports from Alaska ports by destination, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
	To all countries	
1975	29,011	307.97
1976	26,197	224.59
1977	52,377	263.54
1978	68,025	320.45
1979	128,597	470.97
1980	160,523	532.56
1981	149,187	480.54
1982	241,123	478.49
1983	262,219	425.55
1984	231,544	396.66
1985:		
1st quarter	19,076	319.59
2d quarter	81,716	414.26
3d quarter	101,603	386.06
4th quarter	96,795	378.60
1985 total and average value	299,190	387.11
1986:		
1st quarter	30,639	393.87
2d quarter	103,089	422.37
3d quarter		
4th quarter		
1986 total and average value		
	To Japan	
1975	24,311	352.29
1976	20,741	253.18
1977	46,897	278.99
1978	57,653	343.49
1979	120,753	475.21
1980	156,275	533.22
1981	141,209	491.44
1982	219,700	486.71
1983	211,705	452.60
1984	202,238	415.51
1985:		
1st quarter	11,019	394.39
2d quarter	72,743	440.56
3d quarter	85,750	408.46
4th quarter	80,708	406.63
1985 total and average value	250,220	416.58
1986:		
1st quarter	26,204	436.13
2d quarter	92,977	446.14
3d quarter		
4th quarter		
1986 total and average value		
	To Mainland China	
1981	3,205	377.57
1982	0	--
1983	15,591	305.16
1984	0	--
1985:		
1st quarter	2,113	352.67
2d quarter	0	--
3d quarter	0	--
4th quarter	0	--
1985 total and average value	2,113	352.67
1986:		
1st quarter	0	--
2d quarter	0	--
3d quarter		
4th quarter		
1986 total and average value		

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 19--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars)

Year and quarter	Washington Customs District		Oregon Customs District		Alaska Customs District		San Francisco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
				To all countries				
1975	1,599	637,455	73	103,519	0	--	3,911	780,853
1976	3,750	1,646,972	236	136,188	0	--	659	1,239,777
1977	2,735	2,117,386	189	87,839	0	--	1,396	2,751,996
1978	2,362	2,190,449	75	91,486	11	19,250	1,772	4,088,466
1979	2,597	2,216,256	341	420,741	138	253,716	1,272	3,049,981
1980	6,826	5,153,711	2,026	764,511	186	44,960	900	2,260,961
1981	3,416	3,173,191	439	470,373	0	--	683	1,422,547
1982	3,788	2,894,801	335	217,463	0	--	623	1,364,227
1983	4,442	2,629,711	374	170,853	0	--	241	228,307
1984	5,918	3,762,641	537	1,020,322	31	52,163	302	650,290
1985:								
1st quarter	1,445	1,292,682	489	449,838	0	--	93	195,168
2d quarter	703	854,219	284	629,664	0	--	126	103,443
3d quarter	972	503,351	56	107,435	0	--	3	10,400
4th quarter	904	1,176,682	261	97,352	0	--	12	18,500
1985 total	4,024	3,826,934	1,090	1,284,289	0	--	234	327,511
1986:								
1st quarter	2,777	2,798,454	1,306	845,636	0	--	33	58,393
2d quarter	2,604	3,080,777	185	179,507	0	--	67	106,276
3d quarter								
4th quarter								
1986 total								
				To Japan				
1975	1,210	562,583	14	9,039	0	--	3,803	636,796
1976	3,313	1,416,317	235	134,988	0	--	456	1,005,649
1977	1,444	1,179,616	17	33,347	0	--	1,063	2,300,667
1978	1,178	819,332	57	84,025	0	--	1,248	3,059,204
1979	1,824	1,153,644	300	359,119	74	188,389	1,059	2,339,089
1980	4,786	1,969,245	1,964	726,891	182	42,200	579	1,532,496
1981	2,037	2,162,473	229	264,161	0	--	310	742,998
1982	1,465	1,212,079	35	64,504	0	--	417	911,992
1983	1,256	918,408	229	81,616	0	--	61	99,250
1984	3,260	1,272,395	398	757,459	0	--	218	433,562
1985:								
1st quarter	538	434,347	83	202,223	0	--	32	73,894
2d quarter	134	127,813	242	487,582	0	--	58	79,090
3d quarter	12	8,200	52	95,035	0	--	0	--
4th quarter	284	434,524	61	27,352	0	--	0	--
1985 total	968	1,004,884	438	812,192	0	--	90	152,984
1986:								
1st quarter	947	728,313	1,286	838,036	0	--	0	--
2d quarter	998	1,505,964	106	162,257	0	--	0	--
3d quarter								
4th quarter								
1986 total								
				To Mainland China				
1980	6	2,800	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	45	45,000	0	--	0	--	0	--
1983	0	--	100	22,500	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	59	14,963	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1985 total	0	--	59	14,963	0	--	0	--
1986:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter								
4th quarter								
1986 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 20--Log exports from southern California ports, by species, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Other softwoods	Hardwoods
1975	288	11	224	53
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	797	281	211	305
1983	674	0	31	643
1984	2,618	4	624	1,990
1985:				
1st quarter	346	0	37	309
2d quarter	516	9	179	328
3d quarter	529	0	253	276
4th quarter	601	0	310	291
1985 total	1,992	9	779	1,204
1986:				
1st quarter	1,989	67	869	1,053
2d quarter	1,569	8	338	1,223
3d quarter				
4th quarter				
1986 total				

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 21--Volume and average value of softwood log exports to Canada from the Montana Customs District, 1975-86 1/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	All species		Douglas-fir		Other softwoods	
	Volume	Value	Volume	Value	Volume	Value
1975	739	226.93	72	274.78	667	221.76
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	--	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985:						
1st quarter	340	250.57	0	--	340	250.57
2d quarter	73	302.85	0	--	73	302.85
3d quarter	62	317.79	49	336.90	13	245.77
4th quarter	0	--	0	--	0	--
1985 total and average value	475	267.38	49	336.90	426	259.38
1986:						
1st quarter	88	241.92	0	--	88	241.92
2d quarter	0	--	0	--	0	--
3d quarter						
4th quarter						
1986 total and average value						

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 22--Log exports from British Columbia ports, by species and destination, 1975-86 1/

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	85,082	2,406	18,914	19,373	41,416	1,505	2,188
1976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
1977	186,511	10,085	118,085	36,048	19,835	754	1,704
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	2/ 705,487	132,718	382,809	41,112	80,871	54,293	2/ 13,684
1985:							
1st quarter	206,368	20,766	115,693	8,820	16,774	36,916	7,399
2d quarter	66,814	1,812	20,418	9,056	9,419	24,119	1,990
3d quarter	144,832	3,125	75,857	9,116	38,979	16,864	891
4th quarter	114,941	4,189	52,354	4,633	16,547	36,290	928
1985 total	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986:							
1st quarter	130,527	2,852	66,998	1,661	25,206	30,063	3,747
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							
			To Japan				
1975	61,728	1,460	10,477	7,696	39,470	1,253	1,372
1976	67,192	792	17,026	7,343	39,905	470	1,656
1977	109,301	5,106	65,092	23,413	15,489	201	0
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36,157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	2/ 406,680	88,349	174,230	29,619	69,434	39,208	2/ 5,840
1985:							
1st quarter	131,179	7,626	69,694	7,129	15,699	30,899	132
2d quarter	40,344	921	8,603	3,026	7,753	19,615	426
3d quarter	78,314	3,016	45,655	1,605	19,714	8,307	17
4th quarter	71,627	1,010	40,666	1,671	11,731	16,200	349
1985 total	321,464	12,573	164,618	13,431	54,897	75,021	924
1986:							
1st quarter	99,223	245	52,145	1,541	22,556	22,574	162
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							

Table 22--Log exports from British Columbia ports, by species and destination, 1975-86 1/ (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States				
1975	23,354	946	7,717	11,677	1,946	252	816
1976	48,911	4,598	22,043	14,558	1,964	2,876	2,872
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	2/ 110,263	8,167	73,102	6,867	8,426	8,752	2/ 4,979
1985:							
1st quarter	9,992	4	6,052	98	728	2,773	337
2d quarter	17,346	891	4,260	6,030	1,562	3,484	1,119
3d quarter	45,068	109	17,487	5,922	18,637	2,572	341
4th quarter	23,109	0	2,274	911	3,061	16,295	568
1985 total	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986:							
1st quarter	6,606	30	3,969	0	1,624	461	522
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							
			To Mainland China				
1982	46,689	38,463	0	0	3,787	0	8,911
1983	110,354	57,913	0	0	3,096	5,286	44,059
1984	2/ 171,705	35,869	122,460	0	3,001	6,333	2/ 4,102
1985:							
1st quarter	51,427	13,082	28,616	0	0	2,799	6,930
2d quarter	8,575	0	7,555	0	0	1,020	0
3d quarter	19,914	0	12,715	381	628	5,763	427
4th quarter	18,357	3,177	9,402	387	1,596	3,795	0
1985 total	98,273	16,259	58,288	768	2,224	13,377	7,357
1986:							
1st quarter	19,529	2,487	7,568	0	23	6,615	2,836
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							

1/ Figures do not include shipments of pulpwood logs.

2/ Incomplete; does not include all "Hardwoods."

NA = not available.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 23--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
1975	55,494	207.13
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981	33,985	319.77
1982	59,492	313.27
1983	76,674	225.58
1984	65,067	135.12
1985:		
1st quarter	13,744	237.18
2d quarter	18,149	312.27
3d quarter	11,379	247.84
4th quarter	5,382	312.13
1985 total and average value	48,654	275.97
1986:		
1st quarter	237	311.74
2d quarter	6,619	78.64
3d quarter		
4th quarter		
1986 total and average value		

Source: U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 24--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1975-86

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Value	Volume	Value
	Short tons 1/	Dollars	Cords 2/	Dollars
1975	493,761	23.36	11,517	42.90
1976	877,550	20.98	1,967	32.14
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985:				
1st quarter	209,758	27.29	0	--
2d quarter	177,570	30.78	0	--
3d quarter	189,900	27.50	0	--
4th quarter	150,218	23.80	0	--
1985 total and average value	727,446	27.48	0	--
1986:				
1st quarter	199,189	25.36	0	--
2d quarter	245,552	22.25	0	--
3d quarter				
4th quarter				
1986 total and average value				

1/ Short tons are on a dry weight basis.

2/ Cords are on a green weight basis.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 25--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1975-86

(In short tons, on a dry weight basis; average value in dollars per short ton)

Year and quarter	Washington Customs District		Oregon Customs District		San Francisco Customs District		Alaska Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985:								
1st quarter	67,551	80.40	422,788	74.53	68,126	68.40	0	--
2d quarter	54,056	75.52	416,802	75.91	86,643	77.44	0	--
3d quarter	103,586	73.03	393,944	73.39	89,643	69.32	0	--
4th quarter	50,861	77.60	392,956	72.90	57,735	68.67	0	--
1985 total and average value	276,054	76.16	1,626,490	74.22	302,147	71.31	0	--
1986:								
1st quarter	91,810	81.31	325,281	73.95	58,494	68.64	0	--
2d quarter	58,676	75.47	407,330	72.12	60,473	75.86	0	--
3d quarter								
4th quarter								
1986 total and average value								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 26--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	616,883	415,152	125,529	76,202	263,754	151,681	52,064	60,009	353,129	263,471	73,465	16,193
1976	698,941	478,100	145,645	75,196	311,599	155,041	94,581	61,977	387,342	323,059	51,064	13,219
1977	549,059	372,609	125,479	50,971	256,703	123,783	92,364	40,556	292,356	248,826	33,115	10,415
1978	585,588	374,032	135,156	76,400	310,100	128,895	118,094	63,111	275,488	245,137	17,062	13,289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211,030	103,858	426,322	328,378	69,031	28,907
1980	984,882	449,123	338,487	197,272	521,728	106,671	270,706	144,351	463,154	342,452	67,781	52,921
1981	933,739	451,075	268,024	214,640	467,886	139,070	173,000	155,816	465,853	312,005	95,024	58,824
1982	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
1984	949,509	496,419	257,628	195,462	423,477	121,404	161,660	140,413	526,032	375,015	95,968	55,049
1985:												
1st qtr.	231,430	106,390	80,962	44,078	109,014	25,043	52,062	31,909	122,416	81,347	28,900	12,169
2d qtr.	225,957	117,879	64,082	43,996	97,304	29,336	35,730	32,238	128,653	88,543	28,352	11,758
3d qtr.	207,094	100,942	62,248	43,904	99,140	25,200	40,039	33,901	107,954	75,742	22,209	10,003
4th qtr.	241,389	101,325	94,852	45,212	118,798	26,163	56,634	36,001	122,591	75,162	38,218	9,211
1985 total	905,870	426,536	302,144	177,190	424,256	105,742	184,465	134,049	481,614	320,794	117,679	43,141
1986:												
1st qtr.	277,468	121,377	106,432	49,659	156,976	40,714	76,644	39,618	120,492	80,663	29,788	10,041
2d qtr.	227,141	119,658	104,643	52,840	175,318	47,630	82,157	45,531	101,823	72,028	22,486	7,309
3d qtr.												
4th qtr.												
1986 total												
					To Japan							
1975	208,160	96,307	96,610	15,243	89,489	40,991	45,359	3,139	118,671	55,316	51,251	12,104
1976	186,628	68,927	107,884	9,817	127,553	39,430	80,891	7,232	59,075	29,497	26,993	2,585
1977	145,386	40,945	93,719	10,722	108,468	20,845	80,161	7,462	36,918	20,100	13,558	3,260
1978	163,233	36,429	108,610	18,194	141,963	25,609	103,056	13,289	21,270	10,820	5,554	4,896
1979	355,840	75,567	227,702	52,571	258,444	45,549	177,239	35,656	97,396	30,018	50,463	16,915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985:												
1st qtr.	122,149	23,806	74,152	24,191	76,575	10,508	49,015	17,052	45,574	13,298	25,137	7,139
2d qtr.	99,351	21,938	57,055	20,358	51,870	6,110	32,453	13,307	47,481	15,828	24,602	7,051
3d qtr.	103,631	21,500	58,890	23,241	56,993	4,823	36,819	15,351	46,638	16,677	22,071	7,890
4th qtr.	146,989	30,284	91,578	25,127	81,433	9,489	53,918	18,026	65,556	20,795	37,660	7,101
1985 total	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986:												
1st qtr.	155,743	32,239	99,769	23,735	99,359	13,155	70,526	15,678	56,384	19,084	29,243	8,057
2d qtr.	153,668	30,141	98,703	24,824	113,949	17,523	77,013	19,413	39,719	12,618	21,690	5,411
3d qtr.												
4th qtr.												
1986 total												

Table 26--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/ (continued)

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1975	113,213	61,099	4,299	47,815	112,783	61,099	3,869	47,815	0	0	0	0
1976	101,633	50,327	6,737	44,569	101,633	50,327	6,737	44,569	0	0	0	0
1977	76,251	45,842	3,695	26,714	76,251	45,842	3,695	26,714	0	0	0	0
1978	117,969	69,852	9,241	38,876	117,930	69,813	9,241	38,876	39	39	0	0
1979	113,977	38,917	18,870	56,190	113,977	38,917	18,870	56,190	0	0	0	0
1980	159,658	54,876	26,325	78,457	159,658	54,876	26,325	78,457	0	0	0	0
1981	213,594	91,861	20,598	101,135	213,594	91,861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	0
1984	109,979	45,625	7,559	56,795	109,979	45,625	7,559	56,795	0	0	0	0
1985:												
1st qtr.	24,386	10,670	1,329	12,387	24,386	10,670	1,329	12,387	0	0	0	0
2d qtr.	34,116	16,772	1,797	15,547	34,116	16,772	1,797	15,547	0	0	0	0
3d qtr.	33,256	15,134	1,654	16,468	33,241	15,119	1,654	16,468	15	15	0	0
4th qtr.	27,127	10,269	1,347	15,511	27,127	10,269	1,347	15,511	0	0	0	0
1985 total	118,885	52,845	6,127	59,913	118,870	52,830	6,127	59,913	15	15	0	0
1986:												
1st qtr.	37,119	15,527	1,512	20,080	37,119	15,527	1,512	20,080	0	0	0	0
2d qtr.	36,757	14,886	2,271	19,600	36,757	14,886	2,271	19,600	0	0	0	0
3d qtr.												
4th qtr.												
1986 total												
					To Mainland China							
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985:												
1st qtr.	7,345	6,750	0	595	0	0	0	0	7,345	6,750	0	595
2d qtr.	10,056	7,248	2,808	0	0	0	0	0	10,056	7,248	2,808	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	89	0	0	89	89	0	0	89	0	0	0	0
1985 total	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986:												
1st qtr.	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.												
4th qtr.												
1986 total												

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 27--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	263.14	283.95	206.11	243.68	220.36	228.52	191.93	224.40	295.09	315.86	216.16	315.10
1976	318.61	350.52	220.15	306.38	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.34
1977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.70
1983	346.29	383.95	306.32	311.15	301.26	297.07	317.28	284.66	399.31	420.63	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985:												
1st qtr.	328.50	367.89	281.88	319.07	298.47	300.44	297.82	297.98	355.25	388.65	253.17	374.39
2d qtr.	336.08	376.01	284.65	304.01	299.08	314.88	305.63	277.45	364.06	396.26	258.21	376.86
3d qtr.	343.05	375.86	314.06	308.72	323.71	356.15	328.26	294.21	360.81	382.41	288.47	357.87
4th qtr.	331.73	370.92	300.41	309.60	312.16	322.28	323.27	287.34	350.69	387.85	266.54	396.60
1985 average	334.58	372.74	294.92	310.35	308.34	323.13	313.75	289.23	357.69	389.09	265.39	375.97
1986:												
1st qtr.	382.98	373.67	296.40	205.69	306.07	344.08	301.45	275.95	362.99	388.61	283.43	393.20
2d qtr.	368.54	424.78	318.50	340.26	330.85	352.77	317.78	331.49	433.43	472.39	321.13	394.90
3d qtr.												
4th qtr.												
1986 average												
					To Japan							
1975	188.89	155.39	202.62	313.48	188.14	167.70	182.71	533.56	189.45	146.27	220.23	256.41
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
1977	243.68	249.38	240.35	250.06	246.50	266.64	240.37	256.19	235.40	231.45	240.28	239.31
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985:												
1st qtr.	294.36	307.77	285.74	307.59	269.09	269.31	297.20	309.39	291.46	338.15	263.40	303.30
2d qtr.	299.00	337.64	283.34	301.27	298.45	296.01	300.40	294.83	299.61	353.70	260.84	313.42
3d qtr.	310.97	292.04	311.71	326.59	326.91	312.55	325.60	334.58	291.48	286.10	288.55	311.05
4th qtr.	296.95	262.63	299.35	329.56	317.66	279.15	322.29	324.07	271.22	255.10	266.50	343.49
1985 average	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986:												
1st qtr.	306.40	312.30	294.91	346.69	309.79	326.41	300.17	339.12	300.43	302.57	282.23	361.43
2d qtr.	333.66	354.93	315.11	381.61	333.96	360.77	312.86	393.45	332.81	346.82	323.08	339.16
3d qtr.												
4th qtr.												
1986 average												

Table 27--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/ (continued)

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
To Canada												
1975	189.59	200.09	199.95	175.20	189.59	200.09	199.95	175.20	--	--	--	--
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11	--	--	--	--
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43	--	--	--	--
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	--	--	--	--
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985:												
1st qtr.	265.41	288.51	349.49	236.49	265.41	288.51	349.49	236.49	--	--	--	--
2d qtr.	264.78	290.07	348.60	227.80	264.78	290.07	348.60	227.80	--	--	--	--
3d qtr.	274.04	313.53	350.39	230.08	273.90	313.25	350.39	230.08	590.00	590.00	--	--
4th qtr.	258.61	296.99	317.23	228.12	258.61	296.99	317.23	228.12	--	--	--	--
1985 average	266.09	297.82	342.38	230.30	266.05	297.74	342.38	230.30	590.00	590.00	--	--
1986:												
1st qtr.	261.44	310.45	355.23	216.47	261.44	310.45	355.23	283.68	--	--	--	--
2d qtr.	274.70	3226.21	351.48	226.69	274.70	326.21	351.48	226.69	--	--	--	--
3d qtr.												
4th qtr.												
1986 average												
To Mainland China												
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	--
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985:												
1st qtr.	300.60	276.52	--	573.71	--	--	--	--	300.60	276.52	--	573.71
2d qtr.	252.09	248.75	260.70	--	--	--	--	--	252.09	248.75	260.70	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	464.35	--	--	464.35	464.35	--	--	464.35	--	--	--	--
1985 average	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986:												
1st qtr.	203.99	216.34	186.87	202.56	186.87	--	186.87	--	216.00	216.34	--	202.56
2d qtr.	--	--	--	--	--	--	--	--	--	--	-	--
3d qtr.												
4th qtr.												
1986 average												

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 28--Softwood lumber exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
		To all countries		
1975	27,628	13,388	636	13,604
1976	40,585	14,430	462	25,693
1977	44,438	18,951	1,137	24,350
1978	32,919	12,931	684	19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982	52,717	13,855	7,536	31,326
1983	43,280	18,583	5,619	19,078
1984	23,203	10,250	617	12,336
1985:				
1st quarter	7,311	3,741	212	3,358
2d quarter	8,137	4,251	37	3,849
3d quarter	9,102	3,806	281	5,015
4th quarter	8,371	3,542	337	4,492
1985 total	32,921	15,340	867	16,714
1986:				
1st quarter	12,768	6,899	542	5,327
2d quarter	8,188	4,085	879	3,224
3d quarter				
4th quarter				
1986 total				
		To Japan		
1975	4,303	337	0	3,966
1976	5,724	168	396	5,160
1977	7,766	1,354	0	6,412
1978	6,763	107	200	6,456
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982	38,213	7,285	6,581	24,347
1983	22,157	2,233	5,414	14,510
1984	10,127	345	321	9,461
1985:				
1st quarter	3,100	0	142	2,958
2d quarter	3,140	0	37	3,103
3d quarter	4,140	0	211	3,929
4th quarter	4,414	282	318	3,814
1985 total	14,794	282	708	13,804
1986:				
1st quarter	5,019	26	505	4,488
2d quarter	3,621	0	879	2,742
3d quarter				
4th quarter				
1986 total				
		To Mainland China		
1981	93	0	0	93
1982	22	17	0	5
1983	0	0	0	0
1984	0	0	0	0
1985:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter	0	0	0	0
1985 total	0	0	0	0
1986:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter				
4th quarter				
1986 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Table 29--Softwood lumber exports from southern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Other softwoods
	To all countries		
1975	56,759	23,596	33,163
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	71,212	7,491	63,721
1983	35,727	2,603	33,124
1984	78,696	2,979	75,717
1985:			
1st quarter	15,150	238	14,912
2d quarter	23,214	365	22,849
3d quarter	27,301	826	26,475
4th quarter	30,270	638	29,632
1985 total	95,935	2,067	93,868
1986:			
1st quarter	27,261	528	26,733
2d quarter	29,803	547	29,256
3d quarter			
4th quarter			
1986 total			
	To Japan		
1975	119	--	119
1976	377	--	377
1977	172	73	99
1978	471	--	471
1979	739	--	739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982	290	12	278
1983	2,699	22	2,677
1984	410	0	410
1985:			
1st quarter	40	0	40
2d quarter	40	0	40
3d quarter	69	0	69
4th quarter	0	0	0
1985 total	149	0	149
1986:			
1st quarter	15	0	15
2d quarter	18	0	18
3d quarter			
4th quarter			
1986 total			

1/ Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 30--Softwood lumber exports from Alaska ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total	Western hemlock	Sitka spruce	Cedar	Other softwoods
To all countries					
1975	313,307	179,398	132,556	1,353	0
1976	290,011	134,387	148,526	1,298	5,800
1977	250,044	122,544	121,350	5,579	571
1978	237,795	126,218	111,435	53	89
1979	278,462	172,005	103,844	479	2,134
1980	256,716	158,682	96,607	105	1,322
1981	195,981	104,974	91,007	0	0
1982	171,966	75,500	94,805	0	1,661
1983	136,660	70,791	64,193	0	1,676
1984	120,874	75,445	44,915	0	514
1985:					
1st quarter	31,001	19,971	11,030	0	0
2d quarter	27,802	18,609	9,193	0	0
3d quarter	22,049	15,005	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	87,127	59,426	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	24,418	14,923	8,478	0	1,017
3d quarter					
4th quarter					
1986 total					
To Japan					
1975	312,976	179,122	132,501	1,353	0
1976	289,197	134,274	148,221	902	5,800
1977	245,445	122,471	121,083	1,391	500
1978	236,615	125,355	111,207	53	0
1979	273,615	170,149	101,408	435	1,623
1980	251,369	156,654	94,610	105	0
1981	161,794	82,753	79,041	0	0
1982	155,826	71,192	83,966	0	668
1983	119,662	64,250	53,814	0	1,598
1984	117,425	72,805	44,620	0	0
1985:					
1st quarter	30,716	19,686	11,030	0	0
2d quarter	27,611	18,418	9,193	0	0
3d quarter	21,379	14,335	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	85,981	58,280	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	23,426	14,923	8,478	0	25
3d quarter					
4th quarter					
1986 total					
To Mainland China					
1981	27,149	18,428	8,721	0	0
1982	13,153	3,307	9,846	0	0
1983	12,254	6,428	5,826	0	0
1984	0	0	0	0	0
1985:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter	0	0	0	0	0
1985 total	0	0	0	0	0
1986:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter					
4th quarter					
1986 total					

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 31--Softwood lumber exports to Canada from the Montana Customs District, 1975-86 1/

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982	47,418	8,595	690	38,133
1983	69,222	12,534	852	55,836
1984	57,574	7,898	683	48,993
1985:				
1st quarter	7,298	1,659	15	5,624
2d quarter	9,684	2,517	133	7,034
3d quarter	10,020	2,421	112	7,487
4th quarter	7,524	1,985	134	5,405
1985 total	34,526	8,582	394	25,550
1986:				
1st quarter	9,152	1,958	46	7,148
2d quarter	8,884	2,377	285	6,222
3d quarter				
4th quarter				
1986 total				

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

Table 32--Lumber exports from British Columbia ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	3,001,410	356,371	1,113,665	295,218	825,527	409,507	1,122
1976	4,670,033	542,197	1,967,446	467,829	1,191,429	499,853	1,279
1977	5,860,807	683,614	2,364,028	533,267	2,269,876	8,796	1,226
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	1/1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985:							
1st quarter	1,376,844	119,880	555,574	200,198	52,916	447,701	575
2d quarter	1,572,948	176,669	540,403	244,907	56,080	554,090	799
3d quarter	1,445,216	173,420	525,029	207,947	47,730	490,060	1,030
4th quarter	1,461,701	136,483	545,411	210,242	60,614	508,450	501
1985 total	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986:							
1st quarter	1,579,417	125,294	583,986	222,770	47,355	599,364	648
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							
			To Japan				
1975	407,674	12,870	301,336	60,490	30,488	2,405	85
1976	633,863	13,727	476,927	79,934	61,743	1,521	11
1977	705,823	18,530	530,567	90,447	65,943	85	251
1978	779,135	23,799	545,983	116,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985:							
1st quarter	246,874	9,887	140,300	33,724	23,077	39,734	152
2d quarter	257,074	14,748	141,585	34,895	22,622	42,995	229
3d quarter	202,368	13,138	116,043	25,609	16,096	31,317	165
4th quarter	289,345	19,204	181,136	34,322	24,792	29,845	46
1985 total	995,661	56,977	579,064	128,550	86,587	143,891	592
1986:							
1st quarter	246,869	8,536	155,444	31,720	19,418	31,733	18
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							

Table 32--Lumber exports from British Columbia ports, by species and destination, 1975-86 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States 2/				
1975	2,026,343	238,331	542,256	166,949	684,404	393,391	1,012
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985:							
1st quarter	862,485	67,960	276,248	148,040	29,224	340,614	399
2d quarter	1,112,808	108,113	314,696	196,659	32,722	460,128	490
3d quarter	1,054,071	112,404	339,837	167,914	30,266	402,917	733
4th quarter	927,245	63,956	252,108	156,284	34,767	419,689	441
1985 total	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986:							
1st quarter	1,049,391	67,103	301,512	170,415	27,019	482,712	630
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							
			To Mainland China				
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985:							
1st quarter	20,601	0	20,601	0	0	0	0
2d quarter	25,677	0	25,677	0	0	0	0
3d quarter	18,487	672	17,815	0	0	0	0
4th quarter	39,516	0	39,516	0	0	0	0
1985 total	104,281	672	103,609	0	0	0	0
1986:							
1st quarter	16,470	0	16,092	0	0	378	0
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter							
4th quarter							
1986 total							

1/ Incomplete; does not include all "Other softwoods" or "Hardwoods."

2/ Figures do not include shipments of railroad crossties.

NA = not available.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 33--Plywood exports from Washington and Oregon ports, by origin and destination, 1975-86

(In thousand square feet)

Year and quarter	From both customs districts		From Washington Customs District		From Oregon Customs District	
	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
To all countries						
1975	407,117	10,493	93,951	10,360	313,166	133
1976	532,576	24,229	34,020	23,846	498,556	383
1977	233,762	17,673	20,603	17,447	213,159	226
1978	242,105	12,160	23,284	8,871	218,821	3,289
1979	330,018	9,962	27,132	9,644	302,886	318
1980	279,003	9,718	20,747	8,806	258,256	912
1981	327,967	18,645	65,729	17,333	262,238	1,312
1982	221,609	9,435	36,268	9,346	185,341	89
1983	322,386	16,541	38,008	16,320	284,378	221
1984	156,715	9,140	23,663	9,126	133,052	284
1985:						
1st quarter	31,896	2,453	5,035	2,453	26,861	0
2d quarter	10,319	2,649	3,440	2,511	6,879	138
3d quarter	10,621	1,198	2,717	1,198	7,904	0
4th quarter	41,840	3,574	4,499	3,041	37,341	533
1985 total	94,676	9,874	15,691	9,203	78,985	671
1986:						
1st quarter	62,589	1,200	3,650	1,200	58,939	0
2d quarter	42,842	2,625	3,153	2,298	39,689	327
3d quarter						
4th quarter						
1986 total						
To Japan						
1975	2,141	14	414	0	1,727	14
1976	2,361	61	498	61	1,863	0
1977	1,914	162	122	74	1,792	88
1978	2,821	18	167	18	2,654	0
1979	6,040	108	931	108	5,109	0
1980	8,301	978	4,158	978	4,143	0
1981	5,056	13	2,162	12	2,894	1
1982	6,720	19	3,152	19	3,568	0
1983	5,680	16	3,973	0	1,707	16
1984	6,429	0	2,054	0	4,375	0
1985:						
1st quarter	1,937	44	668	44	1,269	0
2d quarter	1,509	178	357	40	1,152	138
3d quarter	1,396	0	238	0	1,158	0
4th quarter	1,208	533	47	0	1,161	533
1985 total	6,050	755	1,310	84	4,740	671
1986:						
1st quarter	1,966	0	540	0	1,426	0
2d quarter	1,803	24	506	24	1,297	0
3d quarter						
4th quarter						
1986 total						
To Mainland China						
1982	0	1	0	1	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	0	0
4th quarter	0	0	0	0	0	0
1985 total	0	0	0	0	0	0
1986:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter						
4th quarter						
1986 total						

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 34--Plywood exports from California, 1975-86 1/

(In thousand square feet)

Year and quarter	Total	Northern California		Southern California	
		Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
1975	19,619	7,874	542	6,311	4,892
1976	19,696	10,085	92	4,681	5,111
1977	9,198	5,148	646	1,818	1,586
1978	6,036	2,833	899	964	1,340
1979	5,934	1,638	871	1,946	1,479
1980	9,054	1,414	849	3,546	3,245
1981	9,349	2,424	487	2,830	3,608
1982	7,464	3,026	1,364	1,557	1,517
1983	8,128	3,442	974	1,330	2,382
1984	9,405	2,608	513	1,629	4,655
1985:					
1st quarter	1,891	513	98	143	1,137
2d quarter	3,083	744	95	540	1,704
3d quarter	5,773	3,018	88	681	1,986
4th quarter	4,731	1,964	44	356	2,367
1985 total	15,478	6,239	325	1,720	7,194
1986:					
1st quarter	8,979	1,467	15	1,896	5,601
2d quarter	8,453	1,473	511	3,828	2,641
3d quarter					
4th quarter					
1986 total					

1/ Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown.

Table 35--Douglas-fir peeler log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
No. 1 Peeler:			
1975	317.50	545.30	488.30
1976	361.90	628.20	590.90
1977	416.30	628.40	558.90
1978	438.70	876.46	763.40
1979	576.70	1,460.50	1,076.90
1980	678.30	1,050.70	883.90
1981	736.40	902.70	797.60
1982	675.40	649.30	673.10
1983	617.90	578.80	617.60
1984	597.00	804.80	608.90
1985	560.80	--	560.80
No. 2 Peeler:			
1975	271.10	409.80	334.00
1976	301.20	450.70	401.40
1977	362.40	474.40	408.50
1978	389.60	762.10	555.10
1979	498.90	1,229.00	728.20
1980	562.70	946.40	678.60
1981	594.20	785.60	621.50
1982	561.30	710.80	563.80
1983	514.40	499.50	514.30
1984	490.20	700.00	497.70
1985	465.40	597.50	465.50
No. 3 Peeler:			
1975	224.50	305.90	243.10
1976	263.00	363.00	306.50
1977	298.30	346.70	310.30
1978	323.20	484.80	362.50
1979	411.90	728.60	480.50
1980	455.00	679.20	510.50
1981	470.20	547.50	486.20
1982	431.50	529.30	432.40
1983	392.60	452.20	393.80
1984	368.00	535.60	373.90
1985	353.30	--	535.30
Special Mill:			
1975	211.70	260.60	235.30
1976	226.60	283.50	261.60
1977	249.70	305.80	285.80
1978	274.70	363.10	324.90
1979	392.40	534.10	501.90
1980	391.60	512.80	485.30
1981	377.40	465.60	416.50
1982	304.10	379.70	319.00
1983	289.60	328.80	289.60
1984	272.40	289.90	272.50
1985	256.00	319.00	256.10
Average:			
1975	228.60	342.40	274.40
1976	268.70	438.70	377.70
1977	299.40	384.50	322.20
1978	333.50	561.10	446.40
1979	433.10	759.10	571.30
1980	493.80	702.80	584.40
1981	532.40	651.40	563.90
1982	460.70	464.40	460.90
1983	427.00	462.10	427.00
1984	406.70	617.40	414.00
1985	364.40	504.70	364.50

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 36--Douglas-fir sawmill log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
No. 1 Sawmill:			
1975	233.70	275.80	241.60
1976	235.20	284.00	262.60
1977	293.10	296.10	293.80
1978	282.60	521.30	402.80
1979	376.20	887.60	658.10
1980	376.50	650.20	497.80
1981	395.90	815.30	413.20
1982	365.40	--	365.40
1983	325.90	467.00	327.00
1984	267.70	521.00	267.80
1985	257.10	509.40	259.30
No. 2 Sawmill:			
1975	185.50	232.90	197.60
1976	207.70	264.00	231.30
1977	238.60	276.80	258.00
1978	261.30	318.70	286.00
1979	322.20	489.70	406.90
1980	343.10	438.10	387.30
1981	315.50	428.20	329.40
1982	250.30	361.30	271.00
1983	253.90	304.80	254.90
1984	245.10	305.60	248.20
1985	235.40	261.10	235.40
No. 3 Sawmill:			
1975	139.20	203.20	146.10
1976	160.60	221.30	179.40
1977	188.60	230.30	203.60
1978	210.60	263.70	228.20
1979	253.20	397.10	294.40
1980	270.50	362.60	299.80
1981	271.20	413.40	279.50
1982	202.70	308.90	243.50
1983	213.90	294.00	255.90
1984	208.90	277.80	209.50
1985	206.70	326.40	207.10
No. 4 Sawmill:			
1975	125.10	117.90	125.10
1976	119.70	150.70	121.40
1977	150.80	151.90	150.80
1978	161.30	176.10	162.00
1979	230.00	208.50	229.80
1980	226.70	374.60	271.50
1981	238.80	314.60	241.30
1982	156.30	309.20	230.40
1983	146.80	272.80	147.60
1984	169.60	--	169.60
1985	137.70	--	137.70
Mixed grade:			
1975	138.10	207.40	155.50
1976	157.40	228.60	171.00
1977	229.10	258.70	236.70
1978	252.40	328.40	296.90
1979	318.30	434.80	383.10
1980	326.90	403.70	383.90
1981	266.80	379.30	339.60
1982	264.40	359.80	337.30
1983	246.10	324.20	289.60
1984	260.50	384.50	321.50
1985	267.90	307.10	269.70
Ungraded:			
1975	148.60	176.10	149.90
1976	202.30	149.80	198.50
1977	257.00	238.20	252.20
1978	257.40	377.80	280.20
1979	332.30	471.70	387.80
1980	356.40	504.80	396.40
1981	438.70	519.00	473.50
1982	319.10	329.20	323.70
1983	323.20	306.00	311.20
1984	222.30	310.50	229.60
1985	182.90	--	182.90
Average:			
1975	154.70	217.40	168.70
1976	180.40	250.40	202.90
1977	227.20	265.30	242.80
1978	250.00	321.60	284.60
1979	311.50	451.60	382.20
1980	331.10	415.10	379.80
1981	295.20	392.20	331.40
1982	250.60	352.80	308.80
1983	243.90	318.20	277.30
1984	244.10	381.00	288.60
1985	237.80	306.90	239.30

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 37--Western hemlock log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
Peeler:			
1975	215.00	331.90	328.90
1976	222.00	378.40	368.00
1977	269.30	388.10	384.50
1978	232.80	415.40	404.30
1979	434.40	582.20	578.20
1980	556.80	650.60	644.80
1981	435.80	566.90	564.30
1982	321.80	515.10	452.70
1983	340.50	525.90	442.40
1984	296.60	486.60	372.90
1985	372.20	449.50	374.10
Special Mill:			
1975	175.80	244.50	240.80
1976	180.60	287.80	281.10
1977	218.60	293.00	289.40
1978	221.60	321.30	305.00
1979	334.10	465.10	460.80
1980	397.30	491.30	481.30
1981	303.56	382.50	375.20
1982	275.90	409.80	336.40
1983	275.10	386.30	296.20
1984	260.60	325.50	282.30
1985	244.80	311.30	246.70
No. 1:			
1975	175.10	291.60	281.20
1976	191.70	338.30	320.40
1977	264.60	350.70	342.80
1978	233.70	382.80	567.00
1979	302.90	534.40	522.30
1980	391.50	571.90	553.80
1981	322.30	473.70	455.20
1982	298.30	453.30	409.70
1983	311.00	444.00	362.30
1984	254.60	385.30	266.80
1985	271.50	414.00	271.60
No. 2:			
1975	149.60	212.80	198.40
1976	151.30	254.70	232.00
1977	182.60	272.10	252.30
1978	194.80	305.60	264.40
1979	250.10	437.80	395.60
1980	280.10	426.80	376.90
1981	262.80	367.20	303.30
1982	213.10	330.20	221.00
1983	220.90	285.10	224.30
1984	208.00	308.30	211.20
1985	195.00	--	195.00
No. 3:			
1975	120.10	181.30	149.90
1976	123.00	213.30	167.30
1977	159.40	230.10	202.40
1978	187.10	273.90	224.40
1979	217.90	359.60	290.20
1980	239.30	340.30	287.20
1981	213.40	334.10	235.50
1982	168.20	254.30	196.80
1983	194.10	257.40	219.40
1984	183.20	218.90	183.70
1985	168.40	254.50	168.40
No. 4:			
1975	93.20	149.80	97.40
1976	103.50	118.90	104.30
1977	125.10	133.80	126.10
1978	165.40	200.70	166.50
1979	236.50	217.90	235.80
1980	225.40	438.90	264.10
1981	192.70	234.20	204.90
1982	128.50	236.30	148.40
1983	196.40	225.40	198.00
1984	148.70	261.20	149.40
1985	143.40	--	143.40
Mixed grade:			
1975	131.10	135.90	153.20
1976	142.60	191.10	175.30
1977	161.20	227.30	206.50
1978	173.60	248.10	223.30
1979	210.40	353.30	324.70
1980	274.00	386.50	359.80
1981	206.30	306.20	268.20
1982	194.90	310.50	280.00
1983	183.80	291.40	241.40
1984	191.40	307.60	268.90
1985	197.20	254.60	222.40
Ungraded:			
1975	132.00	149.60	134.40
1976	149.90	201.70	151.80
1977	213.10	222.70	213.10
1978	207.60	214.40	208.10
1979	231.70	334.20	233.20
1980	297.00	391.00	310.90
1981	316.90	271.80	316.40
1982	269.00	265.00	368.50
1983	192.20	--	192.20
1984	172.40	244.20	172.70
1985	160.30	--	160.30
Average:			
1975	134.00	206.10	183.00
1976	145.90	241.40	213.60
1977	172.30	258.40	234.60
1978	182.90	282.10	250.60
1979	225.60	388.50	355.80
1980	284.80	418.90	376.50
1981	239.00	327.60	287.10
1982	209.70	310.80	273.80
1983	189.80	290.40	239.60
1984	192.60	307.70	256.70
1985	193.50	254.70	213.70

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 38--Noble fir log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
Peeler:			
1975	202.90	554.10	537.00
1976	200.90	799.60	797.60
1977	271.70	715.80	696.20
1978	271.30	879.50	874.10
1979	332.90	1,493.40	1,415.40
1980	361.50	1,337.60	1,269.70
1981	569.50	795.50	713.80
1982	359.00	465.00	361.20
1983	360.10	--	360.10
1984	286.80	--	286.80
1985	286.00	853.50	606.00
Special Mill:			
1975	175.20	266.80	246.90
1976	183.10	381.30	375.60
1977	212.60	356.40	345.60
1978	247.30	538.90	528.80
1979	303.60	893.90	747.50
1980	312.60	694.70	611.40
1981	281.00	510.40	397.50
1982	282.10	--	282.10
1983	292.90	--	292.90
1984	256.00	--	256.00
1985	229.70	--	229.70
No. 1:			
1975	188.70	447.30	423.40
1976	183.60	633.10	629.00
1977	242.60	606.20	573.80
1978	245.60	759.40	740.00
1979	318.10	1,255.50	1,208.70
1980	307.30	989.80	829.50
1981	442.60	680.90	498.70
1982	319.10	--	319.10
1983	315.00	--	315.00
1984	244.40	--	244.40
1985	254.30	665.00	258.50
No. 2:			
1975	156.60	247.30	223.10
1976	161.80	314.90	300.00
1977	181.00	291.80	275.70
1978	221.50	361.20	338.90
1979	216.40	685.10	596.80
1980	283.10	497.10	389.80
1981	307.50	455.80	332.30
1982	235.50	--	235.50
1983	235.20	307.00	235.20
1984	206.70	334.70	207.60
1985	205.80	291.00	205.80
No. 3:			
1975	118.60	192.60	160.40
1976	137.00	241.30	218.20
1977	161.60	229.30	217.70
1978	184.90	262.40	239.20
1979	235.90	400.90	309.60
1980	294.50	354.90	306.90
1981	258.20	257.70	258.20
1982	185.80	--	185.80
1983	192.10	284.00	192.30
1984	188.40	391.00	188.90
1985	194.90	143.00	194.80
No. 4:			
1975	113.80	--	113.80
1976	125.60	158.00	126.90
1977	137.40	146.90	141.60
1978	208.00	246.00	221.00
1979	204.00	141.00	191.40
1980	229.00	--	229.00
1981	207.30	--	207.30
1982	193.00	--	193.00
1983	199.90	--	199.90
1984	151.30	--	151.30
1985	151.50	--	151.50
Mixed grade:			
1975	158.00	205.50	166.60
1976	164.00	202.70	168.40
1977	189.70	211.20	192.80
1978	218.80	511.70	282.30
1979	265.60	1,203.50	376.70
1980	274.90	295.40	308.30
1981	176.60	295.70	180.20
1982	203.90	316.10	232.40
1983	211.60	414.20	272.00
1984	237.00	392.70	243.70
1985	208.20	490.80	211.10
Ungraded:			
1975	156.60	114.00	153.70
1976	180.50	--	180.50
1977	196.50	--	196.50
1978	113.10	--	113.10
1979	230.50	--	230.50
1980	395.50	--	395.50
1981	--	--	--
1982	--	--	--
1983	197.00	--	197.00
1984	--	--	--
1985	--	--	--
Average:			
1975	160.00	362.10	313.40
1976	161.60	503.20	441.60
1977	196.60	453.70	409.60
1978	217.40	569.30	482.00
1979	255.90	937.50	708.80
1980	285.80	781.30	543.00
1981	283.00	577.10	338.40
1982	252.70	364.80	255.70
1983	235.20	413.40	248.60
1984	222.40	385.90	226.20
1985	208.80	742.20	218.10

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 39--White fir log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
Peeler:			
1975	209.70	341.70	333.60
1976	255.60	386.00	379.20
1977	275.20	395.20	387.50
1978	263.80	439.20	432.20
1979	446.70	605.50	602.10
1980	637.70	671.90	670.80
1981	425.10	578.10	576.30
1982	377.50	530.80	511.70
1983	602.70	482.00	520.40
1984	280.50	470.70	452.60
1985	370.50	--	370.50
Special Mill:			
1975	169.70	259.30	249.60
1976	210.10	300.63	294.00
1977	218.90	294.70	289.60
1978	235.70	345.60	343.40
1979	374.10	496.30	494.20
1980	407.40	513.00	509.50
1981	281.00	402.80	396.90
1982	275.60	416.20	355.20
1983	304.20	374.20	330.40
1984	250.80	320.20	310.60
1985	220.30	--	220.30
No. 1:			
1975	182.90	300.70	286.90
1976	214.80	344.60	333.70
1977	247.50	353.90	343.90
1978	239.10	391.80	384.50
1979	325.80	552.50	548.80
1980	502.40	587.90	585.40
1981	304.40	485.90	451.70
1982	300.80	461.90	427.20
1983	482.60	428.70	450.80
1984	239.40	371.60	282.80
1985	256.00	--	256.00
No. 2:			
1975	151.30	229.40	214.10
1976	168.40	264.50	253.40
1977	181.20	265.10	256.10
1978	212.10	329.60	320.30
1979	270.80	465.90	446.70
1980	277.10	445.40	425.50
1981	248.90	370.10	318.50
1982	216.30	315.30	227.50
1983	231.50	287.00	241.40
1984	207.60	293.40	208.90
1985	194.20	--	194.20
No. 3:			
1975	120.00	189.50	172.00
1976	136.60	232.30	215.90
1977	159.10	234.70	223.60
1978	191.90	282.10	272.80
1979	239.20	393.60	348.70
1980	255.30	350.70	302.20
1981	233.40	292.70	251.40
1982	171.50	256.40	194.70
1983	244.60	257.30	246.80
1984	174.20	284.70	176.50
1985	173.90	213.30	174.20
No. 4:			
1975	106.40	--	106.40
1976	122.80	159.20	124.20
1977	135.10	138.40	136.40
1978	160.40	192.60	169.70
1979	204.60	230.70	206.10
1980	215.20	246.50	216.70
1981	176.10	237.30	180.00
1982	151.20	--	151.20
1983	182.90	284.70	184.90
1984	145.20	--	145.20
1985	154.80	--	154.80
Mixed grade:			
1975	121.70	165.70	151.20
1976	156.30	209.30	196.50
1977	173.80	229.60	214.90
1978	179.30	247.50	230.10
1979	249.40	348.50	321.90
1980	271.10	363.10	343.60
1981	177.70	308.80	275.40
1982	184.20	336.80	304.30
1983	229.10	335.70	308.60
1984	232.10	317.70	285.70
1985	171.50	256.90	206.40
Ungraded:			
1975	150.70	172.70	152.30
1976	162.60	219.20	152.40
1977	278.00	194.80	277.80
1978	207.60	213.30	208.30
1979	214.10	--	214.10
1980	293.70	323.20	293.70
1981	311.20	270.70	305.70
1982	192.50	--	192.50
1983	225.00	259.50	229.10
1984	152.40	256.10	156.30
1985	168.80	--	168.90
Average:			
1975	139.80	225.90	208.20
1976	166.70	273.30	256.00
1977	198.30	271.40	258.90
1978	151.80	319.20	290.60
1979	238.80	459.90	411.80
1980	286.90	469.30	431.30
1981	219.70	365.80	324.60
1982	201.20	342.80	294.20
1983	242.40	335.20	304.30
1984	217.10	317.90	268.20
1985	182.90	256.80	201.20

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 40--Sitka spruce log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
Select:			
1975	448.80	551.60	548.40
1976	529.80	668.60	662.40
1977	416.70	761.60	727.40
1978	632.40	890.60	872.60
1979	674.20	1,502.60	1,488.50
1980	1,822.30	1,299.00	1,361.10
1981	986.20	1,149.20	1,099.50
1982	--	978.90	978.90
1983	--	985.40	985.40
1984	348.60	1,136.00	1,108.70
1985	429.20	--	429.20
Special Mill:			
1975	203.50	302.60	292.50
1976	318.20	398.20	393.80
1977	299.20	423.20	416.70
1978	385.80	490.60	476.30
1979	413.30	948.10	923.00
1980	1,162.10	830.60	877.20
1981	548.90	685.00	668.00
1982	292.30	500.60	485.70
1983	428.70	--	428.70
1984	206.00	857.30	853.80
1985	347.90	--	347.90
No. 1:			
1975	281.50	434.50	425.70
1976	360.20	562.40	551.80
1977	336.80	629.10	590.70
1978	464.90	738.60	705.20
1979	465.60	1,288.50	1,269.30
1980	1,227.00	1,143.50	1,155.50
1981	353.10	831.60	611.10
1982	--	769.80	769.80
1983	--	243.50	243.50
1984	264.50	892.40	888.80
1985	311.20	--	311.20
No. 2:			
1975	170.60	238.00	222.80
1976	182.20	255.20	245.50
1977	207.30	295.90	287.20
1978	249.90	315.40	285.70
1979	248.00	567.80	469.10
1980	367.80	596.30	539.20
1981	273.70	464.30	283.40
1982	211.40	360.80	240.10
1983	182.90	348.70	286.50
1984	250.40	464.00	383.60
1985	235.40	275.50	235.50
No. 3:			
1975	142.10	189.50	151.00
1976	147.70	208.60	174.40
1977	169.40	238.60	201.30
1978	182.20	141.10	179.00
1979	227.50	378.60	246.70
1980	192.80	394.70	228.60
1981	182.50	757.30	183.90
1982	175.70	214.00	176.00
1983	148.90	243.30	173.20
1984	172.80	294.30	199.10
1985	173.20	--	173.20
No. 4:			
1975	113.90	--	113.90
1976	88.00	--	88.00
1977	104.00	--	104.00
1978	100.00	--	100.00
1979	150.90	205.00	155.80
1980	231.90	--	231.90
1981	147.50	--	147.50
1982	--	--	--
1983	154.10	--	154.10
1984	105.50	--	105.50
1985	133.40	--	133.40
Mixed grade:			
1975	163.80	207.60	182.60
1976	159.70	243.40	210.30
1977	173.70	322.20	228.80
1978	191.20	402.00	324.70
1979	145.60	676.30	587.80
1980	378.40	560.90	531.60
1981	199.80	493.80	412.40
1982	165.00	366.80	348.60
1983	205.20	312.50	245.70
1984	150.60	324.00	254.70
1985	198.90	438.50	298.40
Ungraded:			
1975	116.40	100.60	109.70
1976	144.10	249.10	151.50
1977	210.40	--	210.40
1978	235.60	924.40	326.50
1979	319.40	138.30	318.70
1980	360.50	--	360.50
1981	290.10	--	290.10
1982	221.70	--	221.70
1983	98.20	--	98.20
1984	176.90	--	176.90
1985	123.80	--	123.80
Average:			
1975	162.70	268.60	217.40
1976	170.80	379.40	318.90
1977	192.80	424.60	362.80
1978	226.90	537.20	423.90
1979	215.20	834.10	711.10
1980	478.20	732.60	665.30
1981	258.00	543.30	384.70
1982	182.70	419.40	386.00
1983	203.00	322.60	247.70
1984	157.40	368.30	285.80
1985	201.80	438.50	284.10

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 41--Western redcedar log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
No. 1:			
1975	249.30	368.30	289.50
1976	332.70	485.30	389.90
1977	410.40	597.10	469.10
1978	488.00	727.10	603.60
1979	525.60	1,199.10	865.60
1980	466.40	957.30	691.60
1981	443.90	811.40	493.70
1982	412.80	772.80	489.50
1983	436.10	977.80	541.70
1984	511.30	1,078.30	767.70
1985	422.40	886.50	466.10
No. 2:			
1975	198.50	255.10	203.40
1976	286.60	375.10	300.40
1977	345.60	446.20	358.70
1978	410.40	574.10	446.70
1979	424.10	917.30	545.90
1980	364.40	778.20	444.50
1981	356.30	561.50	372.70
1982	318.70	602.60	343.00
1983	337.50	718.40	355.40
1984	377.30	818.20	448.70
1985	339.60	490.80	348.70
No. 3:			
1975	139.50	145.40	140.00
1976	184.60	201.20	186.30
1977	235.40	234.20	235.30
1978	280.00	353.70	285.60
1979	337.30	555.10	348.70
1980	278.40	513.50	290.50
1981	272.50	344.30	272.90
1982	261.90	365.80	263.70
1983	291.10	390.90	295.60
1984	291.30	374.50	291.90
1985	262.00	402.90	262.80
No. 4			
1975	99.60	104.00	99.60
1976	127.20	102.80	127.10
1977	194.40	186.50	193.80
1978	216.10	246.00	216.80
1979	272.10	386.70	278.70
1980	216.60	--	216.60
1981	213.80	--	213.80
1982	204.00	--	204.00
1983	265.80	242.30	217.00
1984	232.00	--	232.00
1985	223.90	--	223.90
Mixed grade:			
1975	131.60	186.80	133.60
1976	181.80	283.90	194.10
1977	236.90	347.10	257.70
1978	291.00	356.40	302.20
1979	354.50	526.10	398.50
1980	287.40	427.90	311.90
1981	354.50	417.80	360.60
1982	257.90	377.80	283.80
1983	317.60	410.80	329.60
1984	339.30	491.00	354.60
1985	289.60	459.80	319.50
Ungraded:			
1975	127.10	119.10	126.10
1976	160.40	178.50	162.40
1977	326.10	247.40	312.50
1978	291.10	231.50	291.00
1979	349.20	317.60	349.00
1980	357.60	--	357.60
1981	242.80	--	242.80
1982	258.30	--	258.30
1983	270.20	264.00	270.20
1984	151.50	--	151.50
1985	262.80	--	262.80
Average:			
1975	166.50	271.90	175.90
1976	243.20	372.60	264.70
1977	301.10	418.70	320.80
1978	341.40	546.70	391.10
1979	390.60	834.90	503.50
1980	321.00	657.80	380.20
1981	336.30	495.80	347.80
1982	272.40	388.00	293.70
1983	315.20	440.00	328.00
1984	325.30	581.90	346.40
1985	279.40	460.60	298.50

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 42--Western white pine log prices, western Washington and northwestern Oregon, 1975-85

(In dollars per thousand board feet, Scribner scale)

Log grade and year	Water and inland sales	Export sales	All sales
Peeler:			
1975	193.80	399.40	294.10
1976	214.30	642.10	539.20
1977	234.60	501.80	425.80
1978	228.70	599.50	435.70
1979	329.40	708.70	671.10
1980	338.90	818.50	750.00
1981	344.20	441.00	360.30
1982	384.40	--	384.40
1983	371.60	--	371.60
1984 1/	280.00	--	280.00
1985	263.90	--	263.90
Special Mill:			
1975	178.60	263.10	196.90
1976	154.60	309.00	228.40
1977	161.60	346.30	262.30
1978	183.40	369.90	259.20
1979	245.60	471.90	407.40
1980	198.40	661.70	545.00
1981	249.60	575.00	268.80
1982	296.60	--	296.60
1983	310.80	--	310.80
1984 1/	360.00	--	360.00
1985	177.90	--	177.90
No. 1 Sawmill:			
1975	166.30	310.30	200.60
1976	164.60	419.30	280.00
1977	179.60	420.60	297.60
1978	196.80	473.70	294.70
1979	297.90	599.10	492.40
1980	389.70	835.70	721.10
1981	322.60	563.00	344.40
1982	331.90	--	331.90
1983	358.20	--	358.20
1984 1/	387.50	251.00	385.60
1985	235.60	--	235.60
No. 2 Sawmill:			
1975	139.00	228.90	149.80
1976	141.30	249.00	173.70
1977	148.80	280.00	194.30
1978	170.60	307.00	198.60
1979	242.80	433.30	315.70
1980	296.60	563.30	419.80
1981	278.20	291.40	278.50
1982	246.70	--	246.70
1983	259.40	247.90	259.30
1984 1/	203.20	258.20	205.30
1985	186.30	183.00	186.30
No. 3 Sawmill:			
1975	108.20	186.50	110.70
1976	127.60	227.40	144.30
1977	135.20	225.50	145.90
1978	154.60	268.10	189.50
1979	170.40	328.80	234.30
1980	259.70	434.60	276.10
1981	217.90	233.70	219.40
1982	202.30	211.50	202.50
1983	194.60	251.00	195.80
1984 1/	181.40	310.00	184.20
1985	195.70	--	195.70
No. 4 Sawmill:			
1975	40.40	213.30	42.20
1976	125.50	--	125.50
1977	136.90	--	136.90
1978	119.20	--	119.20
1979	175.80	257.30	206.40
1980	233.30	--	233.30
1981	162.00	--	162.00
1982	183.30	--	183.30
1983	221.00	--	221.00
1984 1/	134.70	--	134.70
1985	159.60	--	159.60
Mixed grade:			
1975	126.60	347.30	134.10
1976	122.90	240.60	143.90
1977	142.20	284.00	157.30
1978	129.60	272.30	156.80
1979	121.40	314.70	179.00
1980	191.80	437.50	274.20
1981	251.20	295.00	252.60
1982	203.40	304.60	257.10
1983	196.00	393.70	317.60
1984 1/	160.00	431.70	224.60
1985	175.90	255.20	177.00
Ungraded:			
1975	114.00	--	114.00
1976	130.50	125.60	130.20
1977	169.00	--	169.00
1978	214.50	--	214.50
1979	257.80	--	257.80
1980	208.10	329.00	210.70
1981	160.00	--	160.00
1982	140.00	--	140.00
1983	128.00	--	128.00
1984 1/	141.20	--	141.20
1985	92.60	--	92.60
Average:			
1975	131.80	252.40	145.50
1976	132.20	337.60	188.40
1977	146.10	194.90	170.60
1978	146.80	323.90	185.00
1979	160.60	414.20	269.50
1980	223.30	547.60	352.20
1981	258.30	289.80	259.90
1982	105.00	303.60	137.40
1983	244.90	390.80	279.70
1984 1/	175.40	425.00	215.60
1985	157.40	243.20	158.00

1/ These figures have been revised since the 1985 publication.

Note: The Industrial Forestry Association has discontinued the publication of its log price statistics. This table will no longer be published by the Pacific Northwest Research Station.

Source: Pacific Northwest Research Station compilation of regional log values based on composite log sales analyses of Industrial Forestry Association, Portland, Oregon. These prices may reflect costs of towing, sorting, bundling, or other handling, depending on the place of sale in each transaction.

Table 43--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 2d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Montana:											
U.S. Forest Service 1/	536,133	547,509	589,875	457,599	552,665	157,743	84,140	160,867			
U.S Bur. Land Manage. 2/	9,061	6,265	16,375	4,647	7,940	146	2,714	NA			
U.S. Bur. Indian Affairs	24,693	17,198	13,136	23,891	3/ 19,671	11,530	795	7,485			
State of Montana	28,853	25,470	23,553	22,095	23,280	3,505	4,769	7,057			
Total	598,740	596,442	642,939	508,232	3/ 603,556	172,924	92,418	NA			
Idaho:											
U.S. Forest Service 1/	741,147	687,320	686,650	674,122	704,023	169,687	140,029	168,682			
U.S. Bur. Land Manage. 2/	33,221	11,538	12,133	2,302	10,990	9,096	7,194	9,005			
U.S. Bur. Indian Affairs	14,484	7,070	8,605	6,850	3/ 4,994	0	784	0			
State of Idaho	14,820	38,727	82,674	181,552	127,863	68,033	22,659	33,601			
Total	803,672	744,655	790,062	864,826	3/ 847,870	246,816	170,666	211,288			
All public lands:											
U.S. Forest Service 1/	1,277,280	1,234,829	1,276,525	1,131,721	1,256,688	327,430	224,169	329,549			
U.S. Bur. Land Manage. 2/	42,282	17,803	28,508	6,949	19,399	9,242	9,908	NA			
U.S. Bur. Indian Affairs	39,177	24,268	21,741	30,741	3/ 24,665	11,530	1,579	7,485			
State of Montana	28,853	25,470	23,553	22,095	23,280	3,505	4,769	7,057			
State of Idaho	14,820	38,727	82,674	181,552	127,863	68,033	22,659	33,601			
Total	1,402,412	1,341,097	1,433,001	1,373,058	3/1,451,895	419,740	263,084	NA			

1/ Convertible products only.

2/ Does not include cull log sales.

3/ Revised.

NA = not available.

Source. respective agencies listed.

Table 44--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985 Average	1985 2d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Average
Montana:											
U.S. Forest Service 1/	57.46	29.80	33.97	27.12	23.30	21.18	23.41	14.91			
U.S. Bur. Land Manage. 2/	39.52	32.17	22.78	27.46	16.71	38.56	23.83	NA			
U.S. Bur. Indian Affairs	65.05	73.50	51.13	34.08	3/ 41.39	13.00	81.50	54.29			
State of Montana	99.28	81.39	83.70	72.37	79.34	62.76	60.40	68.55			
Average	59.52	33.28	35.86	29.42	3/ 25.97	21.49	25.83	NA			
Idaho:											
U.S. Forest Service 1/	43.27	28.28	47.13	46.45	23.74	29.83	22.89	31.92			
U.S. Bur. Land Manage. 2/	55.45	26.71	75.56	96.26	40.25	39.26	21.38	20.98			
U.S. Bur. Indian Affairs	83.15	78.79	78.71	82.36	3/ 55.09	--	94.71	--			
State of Idaho	101.83	45.28	71.04	63.18	61.31	52.33	60.87	43.34			
Average	44.88	29.62	50.41	50.38	3/ 29.80	36.38	28.20	33.27			
All public lands:											
U.S. Forest Service 1/	49.22	28.95	41.05	38.63	23.56	25.66	23.08	23.61			
U.S. Bur. Land Manage. 2/	38.92	28.63	45.24	50.25	30.07	39.25	22.05	NA			
U.S. Bur. Indian Affairs	71.74	75.04	62.04	44.84	3/ 44.16	13.00	88.06	54.29			
State of Montana	99.28	81.39	83.70	72.37	79.34	62.76	60.40	68.55			
State of Idaho	101.83	45.28	71.04	63.18	61.31	52.33	60.87	43.34			
Average	51.13	31.25	43.88	42.62	3/ 28.21	30.25	27.37	NA			

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Does not include cull log prices.

3/ Revised.

NA = not available

Source = respective agencies listed

Table 45--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1975	14.40	22.40	36.20	19.20	10.90	2.00	42.50	20.30	4.80	18.30
1976	23.00	56.80	91.40	16.70	42.20	9.60	45.80	52.90	9.30	35.40
1977	41.50	96.60	122.70	38.30	61.40	11.90	72.00	72.20	20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	69.60	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	60.90	28.30	37.70	36.20
1983	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70
1984	46.90	66.50	104.90	37.30	39.00	44.50	106.70	49.50	45.00	49.20
1985	34.10	58.70	108.30	28.40	37.70	35.70	91.50	35.00	32.70	37.80
1986:										
1st quarter	29.90	45.00	16.70	33.20	24.90	9.90	38.00	30.60	16.90	27.00
2d quarter	31.40	47.70	136.80	29.50	36.00	35.80	56.50	27.10	25.20	32.10
3d quarter										
4th quarter										
1986 average										

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

Table 46--Volume of timber sold on publicly owned or managed lands in California, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 2d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
U.S. Forest Service 1/	1,899,263	1,617,664	1,786,681	1,490,204	3,055,699	403,316	351,501	284,820			
U.S. Bur. Land Manage. 2/	14,471	33,385	8,919	13,140	16,616	2,413	187	6,174			
U.S. Bur. Indian Affairs	11,000	63,595	3,000	3,634	4,342	1,459	14,533	26,096			
State of California	10,480	34,726	31,452	33,529	27,232	2,340	21,274	1,163			
Total	1,935,214	1,749,370	1,830,052	1,540,507	3,103,889	409,528	387,495	318,259			

1/ Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 47—Average stumpage prices of timber sold on publicly owned or managed lands in California, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985		1986				
					Total	2d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/ 2/	149.78	53.87	70.66	61.08	55.40	49.84	76.36	73.51			
U.S. Bur. Land Manage. 3/	84.26	41.10	78.47	63.21	48.16	166.01	13.51	66.49			
U.S. Bur. Indian Affairs	224.73	153.90	110.00	48.24	89.98	22.98	63.75	62.72			
State of California	190.57	133.93	188.59	174.30	131.16	82.42	105.82	52.62			
Average	180.70	58.86	72.79	63.53	56.07	50.61	77.47	72.41			

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 48--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985:							
1st quarter	64.00	83.60	93.10	26.30	58.90	31.90	60.80
2d quarter	61.30	109.10	94.60	50.20	79.60	25.90	61.40
3d quarter	64.20	88.60	113.30	10.10	170.80	42.60	75.90
4th quarter	53.80	179.90	176.00	5.50	66.30	33.50	98.20
1985 average	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986:							
1st quarter	61.60	145.50	151.20	31.00	63.30	31.70	84.30
2d quarter	78.90	138.30	127.50	9.80	79.70	65.50	93.70
3d quarter							
4th quarter							
1986 average							

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

Table 49--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985		1986				
				Total	2d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
U.S. Forest Service 1/	1,066,085	1,153,819	996,173	699,004	209,340	252,012	262,867			
U.S. Bur. Land Manage.	0	0	0	60	60	0	2,629			
U.S. Bur. Indian Aff.	2,535	13,653	19,587	25,739	1,298	3,776	12,083			
State of Washington 2/	601,935	637,295	448,105	768,035	175,710	217,027	161,515			
Total	1,670,555	1,704,767	1,463,865	1,492,838	386,408	472,815	439,094			
Eastern Washington:										
U.S. Forest Service 1/	322,315	495,326	350,177	344,653	67,683	83,089	124,267			
U.S. Bur. Land Manage.	3,025	3,414	2,185	4,016	0	13	0			
U.S. Bur. Indian Aff.	44,583	165,656	106,603	227,939	107,599	14,679	16,798			
State of Washington 2/	89,620	62,235	60,305	98,235	41,410	27,030	42,810			
Total	459,543	726,631	519,270	674,843	216,692	124,811	183,875			
Western Oregon:										
U.S. Forest Service 1/	2,418,057	2,179,345	2,271,941	2,123,325	418,120	582,471	671,402			
U.S. Bur. Land Manage.	1,214,330	1,045,924	1,042,117	974,921	203,335	349,466	395,762			
U.S. Bur. Indian Aff.	0	2,361	3,212	7,951	7,951	0	0			
State of Oregon	301,947	268,416	208,797	198,017	72,305	37,335	34,975			
Total	3,934,334	3,496,046	3,526,067	3,304,217	701,711	969,272	1,102,139			
Eastern Oregon:										
U.S. Forest Service 1/	1,164,264	1,148,349	1,279,703	1,099,194	279,100	256,483	457,208			
U.S. Bur. Land Manage.	15,197	19,212	14,078	21,627	2	0	0			
U.S. Bur. Indian Aff.	89,438	17,370	73,180	93,700	46,450	43,060	21,758			
State of Oregon	13,350	1,726	6,713	243	0	0	0			
Total	1,282,249	1,186,657	1,373,674	1,214,764	325,552	299,543	478,966			
All public lands:										
U.S. Forest Service 1/	4,970,721	4,976,839	4,897,994	4,266,176	974,243	1,174,055	1,515,744			
U.S. Bur. Land Manage.	1,232,552	1,068,550	1,058,380	1,000,624	203,397	349,479	398,391			
U.S. Bur. Indian Aff.	136,556	199,040	202,582	355,329	163,298	61,515	50,639			
State of Washington 2/	691,555	699,530	508,410	866,270	217,120	244,057	204,325			
State of Oregon	315,297	270,142	215,510	198,260	72,305	37,335	34,975			
Total	7,346,681	7,214,101	6,882,876	6,686,659	1,630,363	1,866,441	2,204,074			

1/ Convertible products only.

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 50--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985 Total	1985 2d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Western Washington:										
U.S. Forest Service 1/	61.48	73.84	61.92	62.47	71.26	92.62	91.21			
U.S. Bur. Land Manage.	--	--	--	95.00	95.00	--	48.16			
U.S. Bur. Indian Aff.	128.64	97.71	69.87	54.85	103.00	82.50	73.42			
State of Washington 2/	146.88	138.41	118.70	111.38	109.77	120.36	114.36			
Average	92.35	96.82	79.41	87.50	88.88	105.27	98.98			
Eastern Washington:										
U.S. Forest Service 1/	30.61	38.60	29.86	28.40	32.49	50.46	31.85			
U.S. Bur. Land Manage.	43.64	51.84	28.49	31.54	--	55.00	--			
U.S. Bur. Indian Aff.	191.17	127.06	157.14	151.94	118.45	80.45	94.49			
State of Washington 2/	115.52	67.83	110.78	71.27	50.59	126.97	101.82			
Average	62.38	61.34	65.26	76.54	78.63	70.56	53.87			
Western Oregon:										
U.S. Forest Service 1/	92.44	129.33	96.70	81.91	73.77	100.56	125.90			
U.S. Bur. Land Manage.	89.40	131.14	101.19	82.32	75.99	89.27	100.62			
U.S. Bur. Indian Aff.	--	170.20	126.56	156.29	156.29	--	--			
State of Oregon	117.52	165.39	129.92	133.07	130.22	138.69	161.42			
Average	93.43	132.67	100.02	85.28	81.17	97.96	117.95			
Eastern Oregon:										
U.S. Forest Service 1/	77.28	81.70	73.61	83.68	76.12	128.06	78.97			
U.S. Bur. Land Manage.	62.45	57.58	39.17	32.48	41.50	--	--			
U.S. Bur. Indian Aff.	82.85	140.60	109.02	86.41	82.47	101.58	117.05			
State of Oregon	111.66	59.68	120.29	92.93	--	--	--			
Average	56.33	82.14	75.37	82.98	77.03	124.26	80.70			
All public lands:										
U.S. Forest Service 1/	72.69	96.45	78.80	74.88	71.04	101.32	98.02			
U.S. Bur. Land Manage.	88.96	129.56	100.21	81.03	75.97	89.28	100.28			
U.S. Bur. Indian Aff.	119.00	126.74	130.83	127.73	109.94	95.37	99.16			
State of Washington 2/	142.82	132.13	117.76	106.83	98.49	121.09	111.73			
State of Oregon	114.27	164.71	129.62	149.48	130.22	138.69	161.42			
Average	84.80	108.20	88.09	84.96	81.83	102.20	100.73			

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 51--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir		Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars 2/	Larch	Noble fir and Shasta red fir	Other true firs	All species
	West side	East side												
1975	169.50	34.30	43.10	109.90	84.40	15.40	13.70	75.90	68.50	119.20	5.80	117.70	45.10	101.60
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1977	225.90	71.20	138.40	162.80	142.70	35.40	36.50	103.00	89.20	149.60	62.10	128.90	85.10	153.80
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985:														
1st quarter	124.70	37.30	151.70	163.60	140.50	21.20	17.20	90.60	50.40	140.40	35.00	53.50	39.50	101.80
2d quarter	119.60	28.70	160.00	196.90	95.30	8.90	32.80	61.20	51.90	109.80	79.40	67.80	50.20	97.90
3d quarter	129.30	28.90	181.50	191.60	79.20	15.20	16.30	65.30	42.80	117.10	41.70	55.40	35.70	98.40
4th quarter	132.80	32.40	179.30	247.30	41.10	13.10	34.70	52.40	68.80	129.20	43.60	53.60	40.10	114.20
1985 average	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986:														
1st quarter	157.50	41.90	205.00	177.90	73.60	5.90	20.70	101.00	67.10	105.50	48.90	11.90	53.70	129.40
2d quarter	165.80	31.90	159.30	224.40	38.80	10.50	104.90	93.80	80.50	208.90	25.50	55.00	47.80	121.50
3d quarter														
4th quarter														
1986 average														

1/ Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Includes Port-Orford-cedar.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood--												
1st quarter	32,675	184.96	3,900	76.67	300	19.43	22,275	104.72	5,520	35.70	80,922	111.31
2d quarter	80,280	178.60	5,360	67.38	1,805	71.53	48,176	94.32	6,230	14.97	164,420	119.98
3d quarter												
4th quarter												
Total and average												
Rogue River--												
1st quarter	12,080	155.43	0	--	1,150	132.84	0	--	7,080	21.86	21,685	109.81
2d quarter	36,420	135.84	0	--	4,010	186.24	0	--	24,580	58.49	74,340	101.39
3d quarter												
4th quarter												
Total and average												
Siskiyou--												
1st quarter	35,760	89.62	0	--	0	--	280	22.49	70	30.27	44,431	80.83
2d quarter	40,890	81.31	0	--	250	56.23	1,800	8.54	140	22.46	53,690	147.09
3d quarter												
4th quarter												
Total and average												
Siuslaw--												
1st quarter	33,172	144.74	0	--	0	--	460	68.15	0	--	35,388	138.83
2d quarter	69,692	161.80	0	--	0	--	11,520	64.76	0	--	90,987	142.50
3d quarter												
4th quarter												
Total and average												
Umpqua--												
1st quarter	89,790	147.35	0	--	0	--	7,120	15.64	3,500	11.60	136,445	111.95
2d quarter	64,037	179.92	0	--	600	46.56	4,590	7.86	2,000	19.45	93,407	136.69
3d quarter												
4th quarter												
Total and average												
Willamette--												
1st quarter	157,367	131.52	0	--	0	--	25,033	21.30	50	90.88	248,528	92.81
2d quarter	107,968	191.55	0	--	329	126.88	18,330	12.58	1,000	6.00	160,689	138.96
3d quarter												
4th quarter												
Total and average												
All western Oregon:												
1st quarter	360,844	138.16	3,900	76.67	1,450	109.37	55,168	54.65	16,220	24.60	567,399	102.64
2d quarter	399,287	165.52	5,360	67.38	6,994	137.21	84,416	66.01	33,950	46.51	637,533	130.55
3d quarter												
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	10,750	204.31	0	--	0	--	8,200	109.74	7,300	145.92	32,050	135.48
2d quarter	68,900	128.52	0	--	0	--	25,305	94.99	17,360	125.10	134,315	105.22
3d quarter												
4th quarter												
Total and average												
Mount Baker-Snoqualmie--												
1st quarter	23,550	117.64	0	--	0	--	27,030	55.36	18,650	34.15	92,150	64.21
2d quarter	16,810	177.34	0	--	0	--	25,990	82.24	5,570	70.88	60,924	106.07
3d quarter												
4th quarter												
Total and average												
Olympic--												
1st quarter	17,970	138.33	0	--	0	--	45,500	48.86	1,610	37.99	78,845	72.78
2d quarter	12,835	76.89	0	--	0	--	23,415	60.19	0	--	42,247	63.25
3d quarter												
4th quarter												
Total and average												

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	52,270	142.58	0	--	0	--	80,730	57.22	27,560	63.98	203,045	78.79
2d quarter	98,545	130.12	0	--	0	--	74,710	79.65	22,930	111.93	237,486	97.97
3d quarter												
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	413,114	138.72	3,900	76.67	1,450	109.37	135,898	56.17	43,780	49.39	770,444	96.35
2d quarter	497,832	158.52	5,360	67.38	6,994	137.21	159,126	72.41	56,880	72.88	875,019	121.71
3d quarter												
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	2,220	12.43	13,014	241.45	0	--	4,010	33.22	36,649	94.18
2d quarter	0	--	4,250	25.80	16,780	121.88	0	--	7,110	22.62	54,960	46.28
3d quarter												
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	14,510	156.33	0	--	1,300	17.66	18,550	126.10
2d quarter	0	--	0	--	36,608	179.48	0	--	20,153	37.92	61,841	124.69
3d quarter												
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	5,100	6.00	43,500	177.94	0	--	1,100	1.00	50,740	153.19
2d quarter	0	--	10,980	12.89	40,210	152.73	0	--	6,310	18.56	61,870	104.34
3d quarter												
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	6,630	22.80	51,740	251.39	0	--	4,130	13.48	62,500	211.42
2d quarter	0	-	2,700	6.00	42,950	163.61	0	--	1,700	1.00	47,350	148.78
3d quarter												
4th quarter												
Total and average												
Umatilla--												
1st quarter	0	--	3,700	20.78	7,300	172.95	0	--	1,400	21.56	14,730	94.13
2d quarter	0	--	3,000	17.07	4,620	83.10	0	--	20,150	19.78	44,220	30.13
3d quarter												
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	-	4,725	33.32	7,700	37.90	0	--	4,270	32.34	25,235	24.51
2d quarter	0	-	28,510	26.29	15,025	30.16	0	--	11,010	53.68	76,425	24.36
3d quarter												
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	0	--	16,250	241.93	0	--	3,200	2.48	36,200	109.37
2d quarter	0		0	--	39,920	217.00	0	--	6,760	26.26	61,650	144.65
3d quarter												
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	-	20,155	22.01	141,000	224.42	0	--	19,410	18.87	244,604	133.86
2d quarter	0	-	49,440	21.60	196,113	159.52	0	--	73,193	30.21	408,316	87.84
3d quarter												
4th quarter												
Total and average												

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washington:												
Colville--												
1st quarter	0	--	3,820	58.35	300	20.86	0	--	1,770	24.81	7,902	40.22
2d quarter	0	--	11,540	23.54	2,560	32.44	100	17.85	8,400	19.94	35,995	22.32
3d quarter												
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	15,088	56.96	5,275	44.74	0	--	0	--	20,363	53.80
2d quarter	0	--	18,590	21.27	420	11.20	0	--	0	--	19,010	21.05
3d quarter												
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	21,360	45.93	3,520	74.48	4,180	115.25	15,840	59.62	47,590	56.12
2d quarter	0	--	21,920	61.76	4,250	57.93	11,850	66.62	7,600	18.61	51,030	51.47
3d quarter												
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	40,268	51.24	9,095	55.46	4,180	115.25	17,610	56.12	75,855	53.84
2d quarter	0	--	52,050	39.82	7,230	46.19	11,950	66.21	16,000	19.31	106,035	36.12
3d quarter												
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	60,423	41.49	150,095	214.19	4,180	115.25	37,020	36.59	320,459	114.92
2d quarter	0	--	101,490	30.95	203,343	155.49	11,950	66.21	89,193	28.25	514,351	77.18
3d quarter												
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	413,114	138.72	64,323	43.63	151,545	213.18	140,078	57.94	80,800	43.52	1,090,903	101.81
2d quarter	497,832	158.52	106,850	32.78	210,337	154.88	171,076	71.98	146,073	45.63	1,389,370	105.22
3d quarter												
4th quarter												
Total and average												
All of Oregon:												
1st quarter	360,844	138.16	24,055	30.87	142,450	223.25	55,168	54.65	35,630	21.48	812,003	112.04
2d quarter	399,287	165.52	54,800	26.08	203,107	158.75	84,416	66.01	107,143	35.37	1,045,849	113.88
3d quarter												
4th quarter												
Total and average												
All of Washington:												
1st quarter	52,270	142.58	40,268	51.24	9,095	55.46	84,910	60.07	45,170	60.91	278,900	72.00
2d quarter	98,545	130.12	52,050	39.82	7,230	46.19	86,660	77.79	38,930	73.86	343,521	78.88
3d quarter												
4th quarter												
Total and average												

1/ Preliminary.

2/ Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

3/ Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 53--Volume of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 2d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
U.S. Forest Service 1/ 2/	163,700	71,429	79,994	58,411	51,110	8,609	5,888	104,790			
U.S. Bur. Land Manage.3/	32	1,270	0	0	66	66	0	252			
U.S. Bur. Indian Affairs	200	7,680	0	0	871	871	0	0			
State of Alaska	18,402	24,154	72,145	21,087	20,178	2,783	2,642	3,692			
Total	182,334	104,533	152,139	79,498	72,225	12,329	8,530	108,734			

1/ Excludes sales under $2,000.

2/ Convertible products only.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 54--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	2d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	46.91	32.03	14.82	15.95	6.97	8.05	15.07	4.89			
U.S. Bur. Land Manage.2/	34.00	28.08	--	--	9.47	9.47	--	46.37			
U.S. Bur. Indian Affairs	2.00	122.40	--	--	46.93	46.93	--	--			
State of Alaska	19.21	18.23	87.96	14.95	15.53	17.69	14.57	15.21			
Average	44.06	35.43	49.46	15.72	9.85	12.98	14.91	5.33			

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 55--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982	39.00	14.50	35.70	32.40
1983	29.00	6.70	8.90	14.60
1984	18.83	4.67	76.32	18.86
1985:				
1st quarter	18.56	7.72	192.17	31.78
2d quarter	26.40	4.40	5.73	9.38
3d quarter	18.70	3.94	1.16	6.67
4th quarter	13.94	5.48	2.57	5.42
1985 average	18.78	5.73	29.97	13.77
1986:				
1st quarter	22.05	17.71	7.77	16.75
2d quarter	11.60	24.15	9.89	20.58
3d quarter				
4th quarter				
1986 average				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

Table 56--Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--East side		Pacific Northwest Region--West side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume 2/	Value
1975	892.8	17.09	385.5	4.30	368.3	19.83	413.4	8.26	1,870.8	52.21	1,506.2	32.64	3,552.5	117.53	147.4	21.41
1976	872.0	32.96	290.7	7.70	293.4	33.01	290.5	16.42	1,425.0	77.87	1,134.9	60.01	2,489.3	124.41	15.8	21.80
1977	1,043.3	49.46	325.7	16.91	281.5	68.86	424.6	19.81	1,705.8	118.40	1,377.3	100.70	3,285.5	156.89	1.3	9.77
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	147.7	93.84
1981	1,033.7	57.45	417.7	8.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	165.7	46.47
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	74.0	31.37
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.5	22.25	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	80.1	14.82
1984	865.9	33.16	455.8	12.27	409.3	35.31	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	58.4	15.95
1985:																
1st qtr.	261.2	28.72	121.3	8.84	28.2	9.15	90.1	20.47	428.6	50.04	395.8	79.49	973.7	79.16	14.5	10.37
2d qtr.	292.4	27.41	172.2	8.48	65.8	18.09	73.1	11.10	401.8	49.84	346.7	67.62	628.3	72.92	8.6	8.05
3d qtr.	287.2	21.26	119.0	8.22	158.8	27.28	166.3	13.53	613.0	60.24	507.0	62.15	879.6	74.14	9.6	6.44
4th qtr.	107.6	28.77	31.1	10.34	40.2	11.48	98.8	15.85	159.3	75.01	192.5	79.50	344.8	86.25	18.4	4.09
Total or average	948.4	26.07	443.7	8.64	293.0	21.64	428.3	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986:																
1st qtr.	140.1	19.78	41.3	12.45	56.0	19.75	110.8	27.45	351.3	76.38	339.5	109.08	834.5	98.16	5.9	15.07
2d qtr.	329.9	23.60	109.2	25.55	118.7	32.35	131.9	19.34	279.7	74.32	581.5	68.90	936.7	115.91	104.8	4.89
3d qtr.																
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern Region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

2/ Does not include long-term timber contracts.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 57--Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--East side		Pacific Northwest Region--West side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	840.3	26.85	245.1	10.60	394.0	30.35	356.7	28.19	1,508.7	45.19	1,408.3	38.12	2,356.3	71.04	413.1	8.17
1976	1,101.1	40.83	305.0	17.20	396.8	50.25	468.7	55.17	1,889.6	69.38	1,537.7	64.42	2,858.2	95.01	472.2	6.31
1977	1,008.0	43.25	311.0	16.72	412.1	52.82	431.4	51.95	1,801.3	90.81	1,393.4	86.43	2,720.2	116.41	491.3	3.82
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	54.46	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.7	16.42
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.85
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	44.06	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.8	31.14	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	249.1	14.91
1985:																
1st qtr.	156.3	38.81	73.0	14.13	42.6	42.02	38.7	30.34	129.4	76.36	351.2	130.20	466.4	116.94	26.5	10.09
2d qtr.	140.6	33.03	31.2	17.83	76.2	36.48	51.0	27.85	465.4	83.78	244.3	76.21	748.2	90.39	70.9	4.74
3d qtr.	389.5	28.76	125.1	12.61	141.1	47.35	168.6	14.72	751.3	66.17	594.1	61.15	1,035.9	86.95	76.2	-42.71
4th qtr.	305.6	47.44	142.8	12.93	166.8	49.16	179.9	14.34	469.4	71.74	586.9	90.43	733.4	65.69	92.0	-1.42
Total or average	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.26	265.6	-10.47
1986:																
1st qtr.	160.7	42.97	81.6	17.05	60.0	38.57	61.8	15.82	126.9	127.06	310.2	99.45	474.4	90.84	33.4	6.29
2d qtr.	164.6	42.32	122.4	9.72	98.6	44.65	55.8	20.77	499.3	86.95	357.0	93.25	837.0	100.59	59.6	2.47
3d qtr.																
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

Note: Negative stumpage value caused by emergency rate redeterminations.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 58--Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-85 1/

(Volume in thousand cubic meters; value in Canadian dollars 2/ 3/)

Species and year	Coast 4/ Volume	Coast 4/ Average value	Interior 5/ Volume	Interior 5/ Average value
Balsam:				
1981	3,481	9.43	4,127	1.55
1982	2,260	2.90	3,450	1.18
1983	2,410	2.81	3,051	.97
1984	3,342	2.86	4,057	1.18
1985	2,883	2.49	4,059	1.12
Cedar:				
1981	3,697	7.36	1,443	2.05
1982	2,871	3.25	1,313	1.74
1983	3,011	3.50	917	1.57
1984	4,141	7.05	1,580	2.00
1985	3,880	8.53	1,391	1.84
Cypress:				
1981	573	53.37	4	14.16
1982	387	17.28	4	8.67
1983	281	9.37	4	5.43
1984	574	10.45	2	9.68
1985	465	9.10	0	--
Fir:				
1981	1,563	13.32	3,235	3.29
1982	1,292	6.28	2,802	2.03
1983	1,280	4.52	2,821	1.14
1984	1,513	3.75	3,142	1.40
1985	1,489	3.85	3,231	1.34
Hemlock:				
1981	6,969	9.55	2,288	.94
1982	5,200	2.65	1,313	.91
1983	5,505	2.61	646	.86
1984	7,131	2.67	1,188	.78
1985	6,162	2.27	1,450	.80
Larch:				
1981	0	--	276	1.64
1982	0	--	211	1.33
1983	0	--	271	1.22
1984	0	--	307	1.35
1985	0	--	296	1.32
Lodgepole pine:				
1981	11	2.36	12,300	1.26
1982	2	2.00	10,315	1.21
1983	5	1.20	11,168	.84
1984	1	2.25	13,752	1.12
1985	3	1.16	13,295	1.02
Spruce:				
1981	768	31.97	12,549	2.66
1982	771	10.93	12,075	1.36
1983	736	11.62	12,944	1.24
1984	720	6.68	15,688	1.27
1985	764	7.13	15,066	1.22
White pine:				
1981	31	6.84	320	9.54
1982	25	2.56	164	5.68
1983	18	1.93	126	2.01
1984	22	1.89	137	3.77
1985	21	1.88	132	4.86
Other species:				
1981	34	2.21	90	3.27
1982	48	2.98	90	1.97
1983	10	1.40	134	1.14
1984	12	1.38	127	.84
1985	5	1.28	98	1.29
All species:				
1981	17,127	11.85	36,352	2.02
1982	12,858	4.13	31,737	1.37
1983	13,256	3.70	32,082	1.00
1984	17,457	4.26	39,983	1.23
1985	15,672	4.45	39,018	1.18

1/ Fiscal year ending March 31.

2/ Factors to convert cubic meters to board feet, Scribner scale, vary according to size and quality of timber. Size and quality may vary from one year to the next and between the coast and interior regions. For the coast, the approximate conversion factor lies between 5.0 and 6.0 cubic meters per 1,000 board feet; for the interior, 5.75 and 6.5 cubic meters per 1,000 board feet.

3/ Average stumpage prices do not reflect the effect of road and other credits against stumpage as authorized under section 88 of the British Columbia Forest Act of 1978.

4/ Coast region includes portions of Cariboo, Prince Rupert, and Vancouver forest regions.

5/ Interior region includes Kamloops, Nelson, Prince George, and portions of Cariboo, Prince Rupert, and Vancouver forest regions.

Source: Province of British Columbia Ministry of Forests Annual Report, Victoria.

Table 59--Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1975-86 1/

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho 2/		Oregon 3/	Washington 3/
			Northern	Southern		
1975	5,594.0	1,214.8	1,541.3	1,106.4	7,752.2	3,704.8
1976	4/ 5,516.3	1,350.4	4/ 1,650.5	578.9	7,755.8	3,822.3
1977	4/ 4,882.3	4/ 1,309.9	4/ 1,480.1	5/ 993.6	7,351.5	4,293.5
1978	5,126.4	5/ 1,331.4	5/ 1,604.9	4/ 1,009.2	8,538.3	3,948.3
1979	5/ 5,221.5	5/ 1,426.0	5/ 1,525.5	5/ 939.3	8,610.5	4,730.6
1980	5/ 5,834.9	1,468.6	1,386.6	819.1	9,939.3	4,526.7
1981	5/ 6,225.2	5/ 1,631.8	5/ 1,693.6	5/ 780.7	4/ 12,020.1	4/ 5,377.1
1982	4/ 7,365.6	4/ 1,800.7	5/ 1,833.6	6/ 756.0	4/ 12,646.6	4/ 5,478.3
1983	4/ 6,974.9	4/ 1,848.9	4/ 1,995.9	4/ 807.0	4/ 13,361.9	4/ 5,820.4
1984	4/ 7,278.0	4/ 1,752.2	4/ 1,740.1	4/ 810.0	4/ 12,857.4	4/ 5,312.0
1985	4/ 7,179.0	4/ 2,046.0	4/ 1,785.2	5/ 707.0	4/ 13,278.2	4/ 5,362.4
1986	4/ 4,911.0	4/ 1,924.4	4/ 1,947.5	4/ 712.3	4/ 7,777.6	4/ 2,970.6

1/ As of December 31 unless otherwise noted.

2/ The National Forests in northern Idaho are Clearwater, Nezperce, and the Panhandle administrative unit which absorbed the Coeur D'Alene and the St. Joe National Forests; in southern Idaho, the National Forests are Boise, Caribou, Challis, Payette, Salmon, Sawtooth, and Targhee.

3/ Before 1986, the volume figures included some buy-out and default volumes; the 1986 figures do not.

4/ As of June 30.

5/ As of September 30.

6/ Estimated.

Source: Forest Service, U.S. Department of Agriculture, Regions 1, 4, 5, and 6.

Table 60--Allowable annual cut and uncut volume under contract on Oregon State lands, 1975-85 1/

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1975	206	391	1.9
1976	203	428	2.1
1977	220	446	2.0
1978	241	443	1.8
1979	223	472	2.2
1980	225	482	2.1
1981	220	507	2.3
1982	220	676	3.1
1983	205	503	2.5
1984	202	555	2.7
1985	210	461	2.2

1/ As of December 31.

Source: State of Oregon, Department of Forestry.

Table 61--Allowable annual cut and uncut volume under contract on Washington State lands, 1975-86 1/

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1975	774	1,734	2.2
1976	774	1,977	2.6
1977	774	2,021	2.6
1978	774	1,801	2.3
1979	774	1,880	2.4
1980	757	1,893	2.5
1981	757	1,902	2.5
1982	757	2,088	2.8
1983	757	1,714	2.3
1984	777	1,403	1.8
1985	777	1,169	1.5
1986	880	1,013	1.3

1/ As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 62--Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1975-86

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	4	13,855	0	--	5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0	--	1	15,200	7	68,250	0	--	2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0	--	10	70,450	15	76,379
1978	4	43,500	0	--	1	357	15	161,500	0	--	0	--	20	83,836
1979	5	42,760	4	2,150	11	79,460	0	--	0	--	19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0	--	18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982	10	38,460	9	9,580	8	13,440	18	30,920	0	--	12	4,400	31	16,246
1983	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905
1984	4	3,480	2	3,429	4	17,800	42	42,473	1	545	7	10,510	17	4,882
1985	4	2,896	8	45,616	6	36,960	12	8,960	4	1,060	12	5,025	18	48,940
1986:														
1st qtr.	3	1,022	2	7,214	2	16,200	0	--	0	--	2	1,060	1	130
2d qtr.	0	--	2	10,240	1	9,800	5	4,190	1	130	3	320	1	95
3d qtr.														
4th qtr.														
1986 total														

Year and quarter	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Siuslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	3	39,550	2	21,000	8	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0	--	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0	--	6	44,615	47	171,251	13	62,300	39	231,303	0	--
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29,755	15	2,951	5	32,400
1984	0	--	0	--	2	1,480	22	23,005	15	77,305	8	1,524	2	5,400
1985	0	--	2	10,200	1	250	10	11,396	9	4,980	8	2,907	1	1,300
1986:														
1st qtr.	0	--	0	--	1	1,700	0	--	0	--	4	709	0	--
2d qtr.	4	35,100	2	18,100	4	5,355	8	54,080	1	540	3	1,331	1	10,700
3d qtr.														
4th qtr.														
1986 total														

Year and quarter	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	29	146,668	0	--	2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0	--	0	--	19	121,100	5	38,040	118	603,565
1977	29	128,705	0	-	0	--	48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0	--	0	--	33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0	--	5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	43	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19,000	206	285,052
1985	72	9,668	9	4,820	11	34,772	34	21,828	0	--	221	251,578
1986:												
1st qtr.	14	2,170	1	135	2	13,630	10	5,925	0	--	42	49,895
2d qtr.	0	--	3	695	1	840	14	24,730	4	33,620	58	209,866
3d qtr.												
4th qtr.												
1986 total												

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

*GPO 695 - 508 (1986)

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, second quarter 1986. Resour. Bull. PNW-139. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 70 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing, (forest products), import/export (forest products), markets (external), economics (forestry business).

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Timber Resource Statistics for Non-Federal Forest Land in Northwest Oregon

Donald R. Gedney, Patricia M. Bassett, and Mary A. Mei

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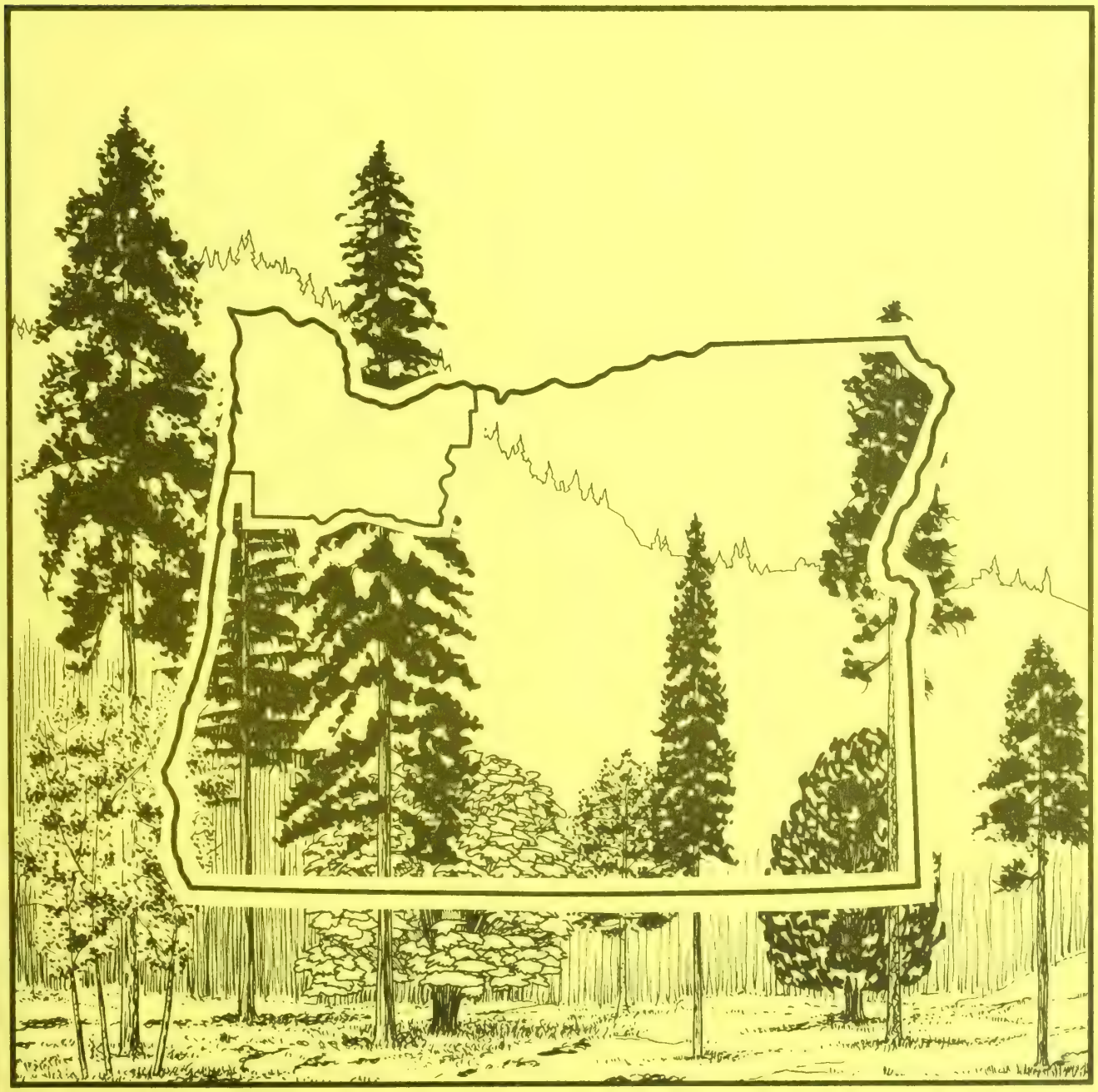

AUTHORS

Donald R. Gedney is a resource analyst, and Patricia M. Bassett and Mary A. Mei are programmer/analysts with the Pacific Northwest Research Station, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

ABSTRACT

Gedney, Donald R.; Bassett, Patricia M.; Mei, Mary A.
Timber resource statistics for non-Federal forest land in northwest Oregon. Resour. Bull. PNW-RB-140. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 26 p.

This report summarizes a 1986 timber resource inventory of the non-Federal forest land in the 10 counties (Clackamas, Clatsop, Columbia, Hood River, Marion, Multnomah, Polk, Tillamook, Washington, and Yamhill) in northwest Oregon. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Oregon (northwest).

SUMMARY

The northwest Oregon resource area totals 5,726,592 acres, of which non-Federal forest land totals 2,476,000 acres. An estimated 2,367,000 acres are classified as non-Federal timberland. The non-Federal timberland has an estimated 7.7 billion cubic feet of standing timber, and 46 percent of this volume is owned by forest industry.

PREFACE

Forest Inventory and Analysis (formerly Forest Survey) is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service research and experiment stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for inventories in Alaska, California, Hawaii, Oregon, and Washington.

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INTRODUCTION

This report presents statistics from the latest inventory of non-Federal timber resources for the 10 counties (Clackamas, Clatsop, Columbia, Hood River, Marion, Multnomah, Polk, Tillamook, Washington, and Yamhill) in northwest Oregon. The northwest Oregon area was first inventoried in 1930-33; subsequent inventories were taken in 1937-54, 1961, and 1976.

Field data for all non-Federal forest lands were collected in the summers of 1984 and 1985 by the Forest Inventory and Analysis Work Unit (FIA) of the Pacific Northwest Research Station. Data for the Federal timber resources--National Forest (U.S. Department of Agriculture, Forest Service) and Bureau of Land Management (U.S. Department of the Interior)--will be presented, with the non-Federal data, in a later report.

Scientific names of trees (Little 1979) are listed on page 8 of this report. See "Terminology" for definitions of terms used in this report.

INVENTORY PROCEDURES

For all non-Federal lands, the sampling design was double sampling for stratification (Cochran 1963). Owner group, major land classes (timberland, other forest, nonforest), and forest condition classes (stage of development, major type, broad stocking class) were identified on 8,905 photo points. This photo sample was subsampled with a grid of 570 field plots established in 1961 and remeasured in 1976. In these inventories, a cluster of 10 variable radius points distributed over about 1 acre was established at each timberland location.

In 1983, a sample of these 10-point plots was remeasured to provide data on growth and mortality. These data were used to project tree diameters and heights on 38 undisturbed hardwood plots that were not remeasured for the current inventory. All other timberland locations were revisited in 1984 and 1985, and a new cluster of five points sampling about 8 acres was established. The field plots were the basis for estimates of timber volume, growth, mortality, and area attributes such as forest type, site class, and stand-size class.

RELIABILITY OF INVENTORY DATA

All area and volume statistics for non-Federal forested areas are based on sampling and are subject to sampling error. Confidence intervals (68-percent probability) for the estimated timberland area, cubic-foot volume, and gross annual cubic-foot growth by owner class are as follows:

Owner	Timberland area	Net volume	Gross annual growth
	(Thousand acres)	(Million cubic feet)	
Other public	590 ± 24	2,090 ± 200	109 ± 8
Forest industry--			
With mills	1,087 ± 28	3,421 ± 219	192 ± 12
Without mills	47 ± 20	149 ± 76	7 ± 4
Farmer and miscellaneous private	643 ± 23	2,072 ± 148	83 ± 6
All owners	2,367 ± 32	7,732 ± 318	391 ± 15

Confidence intervals are quantitative expressions of the reliability of the timberland area, volume, and growth statistics. The above tabulation, for instance, indicates a two-in-three (68-percent) chance that the timberland area for all owners is within the range of 2,367,000 ± 32,000 (2,335,000 to 2,399,000) acres.

Confidence intervals vary by both the size of the estimate and the variance of the item being estimated. If variance is assumed constant, confidence intervals can be approximated for estimates of various sizes. The confidence interval guides that follow are based on the assumption that an average relation exists between variance and the size of the estimates, and thus they provide only an approximation of the reliability of individual estimates.

The following tabulations approximate confidence bounds for table cells of various sizes in this report.

Timberland area	Confidence interval: By owner (Thousand acres)	Confidence interval: By type or class (Thousand acres)
1,000	± 25	± 65
800	± 22	± 59
600	± 19	± 52
400	± 15	± 43
200	± 10	± 31
100	± 7	± 23
50	± 5	± 17
25	± 3	± 12
15	± 2	± 10
10	± 2	± 8

Growing stock volume and confidence interval (Million cubic feet)		Gross growth and confidence interval (Thousand cubic feet)	
6,000	± 267	300,000	± 13,068
4,000	± 229	200,000	± 11,033
2,000	± 174	100,000	± 8,261
1,000	± 128	50,000	± 6,186
800	± 112	25,000	± 4,187
600	± 95	15,000	± 3,028
400	± 75	10,000	± 2,341
200	± 50	5,000	± 1,508
100	± 33	1,000	± 543
50	± 22	500	± 350
25	± 15	100	± 100
15	± 11		
10	± 9		
5	± 5		

Actual confidence intervals have been calculated for the tabular data in this report; they are available on request from the Forest Inventory and Analysis Research Work Unit, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

TERMINOLOGY

Bureau of Land Management lands--Federal lands administered by the Bureau of Land Management, U.S. Department of the Interior.

Chaparral--Areas covered with heavily branched dwarf trees or shrubs, usually evergreen, the crown canopy of which at maturity usually covers more than 50 percent of the ground. The principal genera are Arctostaphylos, Baccharis, Ceanothus, Cercocarpus, and Garrya.

Class of timber--A classification of trees as growing stock, cull, and salvable dead. Growing-stock trees are divided into poletimber and sawtimber trees.

County and municipal lands--Lands owned by county and other local public agencies.

Cull trees--Live trees of noncommercial species, or live trees of commercial species that are more than 75 percent defective and are unlikely to become growing stock.

Cull trees, rotten--Cull trees with defect caused primarily by rot.

Cull trees, sound--Trees of noncommercial species or cull trees of commercial species with defect caused primarily by poor form and roughness.

Diameter class--A classification of trees based on diameter outside the bark measured at breast height, 4-1/2 feet above the ground. D.b.h. is the common abbreviation for "diameter at breast height."

Farmer--Lands owned by an individual or corporate owner who produces agricultural products and does not meet the definition of a forest industry.

Forest industry lands--
With mills: lands owned by companies or individuals that operate wood-using plants.
Without mills: lands owned by companies or individuals that manage forests for timber production but do not operate mills.

Forest land--Land at least 10 percent stocked by live trees or land formerly having such tree cover and not currently developed for nonforest use.

Forest land, reserved--Forest land withdrawn from timber production through statute or ordinance. Included are National, State, and county parks; and other reserved lands.

Forest types--Stands with 50-percent or more stocking in live conifer trees classed as softwood types; stands with a majority of stocking in live hardwood trees classed as hardwood types. The individual forest type is determined by plurality of stocking by species of live softwood or hardwood trees.

Gross annual growth--The increase in volume of trees during a specified year. Components of gross annual growth of trees: (a) the increment in sound volume of trees alive at the beginning of a specified year and surviving to the year's end, plus (b) the sound volume of trees reaching sawtimber or poletimber size during the year.

Growing-stock trees--All live trees except cull trees.

Growing-stock volume--Net volume in cubic feet of live sawtimber and poletimber growing-stock trees from stump to a minimum 4-inch top (of central stem) outside the bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Hardwoods--Trees that are angiosperms, usually broad leaved and deciduous.

Land area--Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water such as marshes, swamps, and river flood plains; streams, sloughs, and canals less than one-eighth mile wide; and lakes, reservoirs, and ponds less than 40 acres in area.

Land class--A classification of land by major use. The minimum area for classification is 1 acre.

Mean annual increment--A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. For a given species and site index, the average is based on the age at which the mean annual increment culminates for fully stocked stands. When productivity is calculated, nonforest inclusions of less than 1 acre are excluded.

Miscellaneous Federal lands--Federal lands other than lands administered by the Forest Service or the Bureau of Land Management.

Miscellaneous private owners--All private owners not otherwise classified.

Mortality--Volume of sound wood in trees dying from natural causes during a specified period.

National Forest lands--Federal lands that have been designated by Executive Order or statute as National Forest or purchase units and other lands under the administration of the Forest Service, U.S. Department of Agriculture, including experimental areas and Bankhead-Jones Title III lands.

Noncommercial species--A tree species not suitable for industrial wood products.

Non-Federal lands--Includes all land except lands owned or managed by the Forest Service, U.S. Department of Agriculture, and by the Bureau of Land Management, U.S. Department of the Interior. Includes miscellaneous Federal lands.

Nonforest land--Land that has never supported forests or was formerly forested and is currently developed for nonforest uses. Included are lands used for agricultural crops, Christmas tree farms, improved pasture, residential areas, city parks, constructed roads, operating railroads and their right-of-way clearings, powerline and pipeline clearings, streams more than 30 feet wide, and 1- to 40-acre areas of water classified by the Bureau of the Census, U.S. Department of Commerce, as land. If intermingled in forest areas, unimproved roads and other nonforest strips must be more than 120 feet wide, and clearings or other areas must be 1 acre or larger to qualify as nonforest land.

Nonstocked areas--Timberland less than 10 percent stocked with growing-stock trees.

Other forest land--Forest land incapable of producing 20 cubic feet per acre per year of industrial wood because of adverse site conditions such as sterile soils, dry climate, poor drainage, high elevation, steepness, or rockiness.

Other public lands--Lands administered by public agencies other than the Forest Service, U.S. Department of Agriculture, or the Bureau of Land Management, U.S. Department of the Interior.

Poletimber stands--Stands with a mean diameter (weighted by basal area) from 5.0 to 9.0 inches if softwood and from 5.0 to 11.0 inches if hardwood.

Poletimber trees--Live trees of commercial species at least 5.0 inches in d.b.h. but smaller than sawtimber size, and of good form and vigor.

Roundwood--Logs, bolts, or other round sections cut from trees.

Salvable dead trees--Standing or down trees of commercial species, at least 9.0 inches in d.b.h. for softwoods and at least 11.0 inches in d.b.h. for hardwoods, containing 25 percent or more sound wood volume and at least one merchantable 12-foot log if softwood or one merchantable 8-foot log if hardwood.

Sapling and seedling stands--Stands with a mean diameter (weighted by basal area) less than 5.0 inches.

Sapling and seedling trees--Live trees of commercial species less than 5.0 inches in d.b.h., with no diseases, defects, or deformities likely to prevent their becoming poletimber trees.

Saw-log portion--The bole of sawtimber trees between the stump and the saw-log top.

Sawtimber stands--Stands with a mean diameter (weighted by basal area) larger than 9.0 inches if softwood and larger than 11.0 inches if hardwood.

Sawtimber trees--Live softwood trees of commercial species at least 9.0 inches in d.b.h. and live hardwood trees of commercial species at least 11.0 inches in d.b.h. At least 25 percent of the board-foot volume in a sawtimber tree must be free from defect. Softwood trees must contain at least one 12-foot saw log with a top diameter of not less than 6 inches inside bark; hardwood trees must contain at least one 8-foot saw log with a top diameter of not less than 8 inches inside bark.

Sawtimber volume--Net volume of sawtimber trees measured in board feet. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Scribner rule--The common board-foot log rule used locally in determining volume of sawtimber. Scribner volume is estimated in terms of 32-foot logs for conifers and 16-foot logs for hardwoods.

Site class--A classification of the potential productivity of forest land in terms of mean annual increment.

Site index--A measure of the productivity of forest land in terms of the average height of dominant and codominant trees at a specified age.

Softwoods--Coniferous trees, usually evergreen, with needles or scalelike leaves.

State lands--Lands owned by States or administered by State agencies.

Timber harvest--Volume of roundwood removed from forest land for products.

Timber volume--Includes the net volume in cubic feet of poletimber and sawtimber trees and salvable dead sawtimber trees of all species, the net volume in cubic feet of cull trees of commercial species, and gross volume of noncommercial species. Volume is measured from stump to a minimum 4-inch top outside the bark.

Timberland--Forest land capable of producing 20 cubic feet or more per acre per year of industrial wood, and not withdrawn from timber utilization.

Timberland, reserved--Private or public land withdrawn from timber utilization through statute, ordinance, or administrative order but which otherwise qualifies as timberland.

Upper-stem portion--The bole of sawtimber trees above the saw-log top--7.0 inches outside the bark for softwoods and 9.0 inches outside the bark for hardwoods--to a minimum top diameter of 4.0 inches outside the bark, or to the point where the central stem breaks into limbs.

NAMES OF TREES

Common name	Scientific name
Softwoods:	
Douglas-fir	*Pseudotsuga menziesii* (Mirb.) Franco
Grand fir	*Abies grandis* (Dougl. ex D. Don.) Lindl.
Lodgepole pine	*Pinus contorta* Dougl. ex Loud. var. *latifolia* Engelm.
Mountain hemlock	*Tsuga mertensiana* (Bong.) Carr.
Noble fir	*Abies procera* Rehd.
Pacific silver fir	*Abies amabilis* Dougl. ex Forbes
Ponderosa pine	*Pinus ponderosa* Dougl. ex Laws.
Sitka spruce	*Picea sitchensis* (Bong.) Carr.
Western hemlock	*Tsuga heterophylla* (Raf.) Sarg.
Western redcedar	*Thuja plicata* Donn ex D. Don
Western white pine	*Pinus monticola* Dougl. ex D. Don
Hardwoods:	
Bigleaf maple	*Acer macrophyllum* Pursh
Bitter cherry	*Prunus emarginata* Dougl. ex Eaton
Black cottonwood	*Populus trichocarpa* Torr. & Gray
Oregon ash	*Fraxinus latifolia* Benth.
Oregon white oak	*Quercus garryana* Dougl. ex Hook.
Pacific madrone	*Arbutus menziesii* Pursh
Red alder	*Alnus rubra* Bong.

TABLE 1--AREA OF NON-FEDERAL LAND BY LAND CLASS AND COUNTY, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

LAND CLASS	CLACKAMAS	CLATSOP	COLUMBIA	HOOD RIVER	MARION	MULTNOMAH	POLK	TILLAMOOK	WASHINGTON	YAMHILL	ALL COUNTIES
						THOUSAND ACRES					
FOREST LAND:											
TIMBERLAND	306	427	309	72	148	56	212	450	221	166	2,367
RESERVED TIMBERLAND	2	6	--	1	9	6	--	5	2	--	31
OTHER FOREST	8	15	7	3	5	5	5	20	6	6	80
TOTAL	315	448	316	76	162	67	217	475	228	172	2,476
NONFOREST LAND 3/	272	71	91	45	378	136	209	81	225	223	1,731
ALL CLASSES 4/	588	518	408	121	541	203	426	556	453	395	4,209

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways; and water as classified by Forest Inventory and Analysis standards but defined by the Bureau of the Census as land.

4/Source: United States Bureau of the Census, Land and Water of the United States, 1980.

TABLE 2--AREA OF NON-FEDERAL TIMBERLAND BY OWNER AND COUNTY, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

LAND CLASS	CLACKAMAS	CLATSOP	COLUMBIA	HOOD RIVER	MARION	MULTNOMAH	POLK	TILLAMOOK	WASHINGTON	YAMHILL	ALL COUNTIES
					THOUSAND ACRES						
OTHER PUBLIC:											
INDIAN	11	--	--	--	5	--	--	--	--	--	16
OTHER FEDERAL	--	3	--	--	--	--	1	--	--	--	4
STATE	8	133	9	18	21	3	7	266	48	1	514
COUNTY AND MUNICIPAL	10	13	4	9	--	4	--	6	6	4	56
TOTAL	29	149	13	27	26	7	8	272	54	5	590
PRIVATE:											
FOREST INDUSTRY--											
WITH MILL	125	229	208	30	51	11	142	139	75	77	1,087
WITHOUT MILL	3	12	10	1	2	1	8	3	4	4	47
OTHER PRIVATE--											
FARMER	39	9	17	4	38	3	34	14	23	43	224
MISCELLANEOUS	111	29	61	10	31	34	20	22	65	37	420
TOTAL	278	279	296	45	122	49	204	178	167	161	1,778
ALL OWNERS	306	427	309	72	148	56	212	450	221	166	2,367

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 3--AREA OF NON-FEDERAL STOCKABLE TIMBERLAND BY SITE CLASS AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SITE CLASS 3/	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
CUBIC FEET	- - - - - - - - - - - - - - - -	THOUSAND ACRES		- - - - - - - - - - - - - - - -	
225 OR MORE	68	119	--	59	246
165 TO 224	175	379	14	116	684
120 TO 164	241	469	26	280	1,016
85 TO 119	84	85	6	154	329
50 TO 84	4	13	--	24	41
20 TO 49	--	12	--	6	17
ALL CLASSES	573	1,076	47	638	2,333

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands. The areas shown here exclude 34,000 acres of included nonforest land less than 1 acre.

TABLE 4--AREA OF NON-FEDERAL TIMBERLAND BY STAND-SIZE CLASS AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

STAND-SIZE CLASS	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
	THOUSAND ACRES				
SAWTIMBER STANDS:					
LARGE SAWTIMBER 3/	35	13	--	63	111
SMALL SAWTIMBER 4/	321	547	20	322	1,211
TOTAL	356	560	20	385	1,322
POLETIMBER STANDS	147	141	20	107	416
SAPLING AND SEEDLING STANDS	80	359	--	102	541
NONSTOCKED AREAS	7	27	6	49	89
ALL CLASSES	590	1,087	47	643	2,367

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 21.0-inch d.b.h. and larger.

4/Includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

TABLE 5--AREA OF NON-FEDERAL TIMBERLAND BY FOREST TYPE AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

FOREST TYPE	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
			THOUSAND ACRES		
DOUGLAS-FIR	349	601	13	221	1,184
WESTERN HEMLOCK	72	291	--	21	384
SITKA SPRUCE	7	18	--	22	46
WESTERN REDCEDAR	--	7	--	34	42
WESTERN WHITE PINE	7	--	--	--	7
GRAND FIR	--	--	--	6	6
RED ALDER	127	130	21	175	454
BIGLEAF MAPLE	--	12	6	53	72
OREGON WHITE OAK	6	--	--	33	39
OREGON ASH	--	--	--	12	12
BLACK COTTONWOOD	--	--	--	6	6
BITTER CHERRY	--	--	--	6	6
OTHER SOFTWOODS	--	--	--	6	6
OTHER HARDWOODS	15	--	--	--	15
NONSTOCKED	7	27	6	49	89
ALL TYPES	590	1,087	47	643	2,367

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 6--AREA OF NON-FEDERAL RESERVED TIMBERLAND AND OTHER FOREST LAND BY LAND CLASS, FOREST TYPE, AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

LAND CLASS AND FOREST TYPE	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND ACRES			
TIMBERLAND, RESERVED:					
DOUGLAS-FIR	18	--	--	--	19
SITKA SPRUCE	4	--	--	--	4
HEMLOCK	4	--	--	--	4
TRUE FIRS	1	--	--	--	1
RED ALDER	1	--	--	--	1
OTHER HARDWOODS	3	--	--	--	3
ALL TIMBERLAND, RESERVED	30	--	--	--	31
OTHER FOREST LAND:					
OREGON WHITE OAK	16	--	--	14	30
OTHER HARDWOODS	1	--	--	--	1
CHAPARRAL	1	--	--	--	1
UNCLASSIFIED	26	--	--	21	47
ALL OTHER FOREST LAND 3/	44	--	--	35	80

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes 1,566 acres of reserved areas.

TABLE 7--VOLUME OF TIMBER ON NON-FEDERAL TIMBERLAND BY CLASS OF TIMBER AND BY SOFTWOODS AND HARDWOODS, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
		MILLION CUBIC FEET	
SAWTIMBER TREES:			
SAW-LOG PORTION	5,172	988	6,161
UPPER-STEM PORTION	193	271	464
TOTAL	5,366	1,259	6,625
POLETIMBER TREES	506	601	1,107
ALL GROWING STOCK	5,871	1,861	7,732
SOUND CULL TREES	41	68	109
ROTTEN CULL TREES	14	73	87
SALVABLE DEAD TREES	70	11	81
ALL TIMBER	5,996	2,013	8,009

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 8--VOLUME OF GROWING STOCK AND SAWTIMBER ON NON-FEDERAL TIMBERLAND BY OWNER AND BY SOFTWOODS AND HARDWOODS, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

CLASS OF TIMBER AND OWNER	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	MILLION CUBIC FEET		
GROWING STOCK: 3/				
OTHER PUBLIC	3,542	1,679	411	2,090
FOREST INDUSTRY--				
WITH MILLS	3,147	2,818	604	3,421
WITHOUT MILLS	3,170	106	43	149
FARMER AND MISCELLANEOUS PRIVATE	3,222	1,269	803	2,072
ALL OWNERS	3,267	5,871	1,861	7,732
	BOARD FEET PER ACRE	MILLION BOARD FEET		
SAWTIMBER (SCRIBNER RULE): 4/				
OTHER PUBLIC	12,490	6,337	1,032	7,369
FOREST INDUSTRY--				
WITH MILLS	10,658	9,897	1,688	11,585
WITHOUT MILLS	11,213	429	97	527
FARMER AND MISCELLANEOUS PRIVATE	10,963	4,931	2,119	7,049
ALL OWNERS	11,209	21,594	4,937	26,531

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 5.0-inch d.b.h. and larger.

4/Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

TABLE 9--VOLUME OF GROWING STOCK AND SAWTIMBER ON NON-FEDERAL TIMBERLAND BY COUNTY AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

COUNTY	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
			MILLION CUBIC FEET		
GROWING STOCK: 3/					
CLACKAMAS	127	259	9	459	854
CLATSOP	656	786	35	133	1,610
COLUMBIA	53	768	37	283	1,140
HOOD RIVER	99	76	3	42	219
MARION	94	174	8	232	508
MULTNOMAH	35	45	2	126	208
POLK	25	490	22	158	695
TILLAMOOK	764	279	10	92	1,144
WASHINGTON	214	277	12	293	795
YAMHILL	23	270	12	255	561
ALL COUNTIES	2,090	3,421	149	2,072	7,732
			MILLION BOARD FEET		
SAWTIMBER (SCRIBNER RULE): 4/					
CLACKAMAS	482	799	32	1,581	2,894
CLATSOP	2,503	2,670	122	458	5,753
COLUMBIA	212	2,717	133	990	4,052
HOOD RIVER	354	232	9	142	737
MARION	355	619	30	783	1,787
MULTNOMAH	136	167	9	438	750
POLK	88	1,686	78	507	2,358
TILLAMOOK	2,403	837	30	310	3,581
WASHINGTON	745	931	42	1,006	2,724
YAMHILL	91	928	43	835	1,896
ALL COUNTIES	7,369	11,585	527	7,049	26,531

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 5.0-inch d.b.h. and larger.

4/Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

TABLE 10--VOLUME OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		MILLION CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	1,231	1,742	90	935	3,998
WESTERN HEMLOCK	382	798	14	69	1,264
SITKA SPRUCE	32	164	--	81	277
WESTERN REDCEDAR	9	53	2	163	227
GRAND FIR	17	13	--	16	47
NOBLE FIR	7	38	--	--	45
PACIFIC SILVER FIR	--	8	--	--	8
OTHER SOFTWOODS 3/	1	1	--	4	6
TOTAL	1,679	2,818	106	1,269	5,871
HARDWOODS:					
RED ALDER	315	487	36	369	1,207
BIGLEAF MAPLE	78	98	6	243	426
OREGON WHITE OAK	12	6	--	95	114
BLACK COTTONWOOD	--	--	--	49	49
OREGON ASH	--	--	--	38	38
BITTER CHERRY	1	12	1	9	24
PACIFIC MADRONE	4	--	--	--	4
TOTAL	411	604	43	803	1,861
ALL SPECIES	2,090	3,421	149	2,072	7,732

-- = none found or less than 500,000 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes ponderosa pine, western white pine, lodgepole pine, and mountain hemlock.

TABLE 11--VOLUME OF SAWTIMBER ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
	MILLION BOARD FEET, SCRIBNER RULE				
SOFTWOODS:					
DOUGLAS-FIR	4,751	6,469	369	3,603	15,192
WESTERN HEMLOCK	1,374	2,442	56	279	4,151
SITKA SPRUCE	111	614	--	385	1,110
WESTERN REDCEDAR	25	165	4	579	774
GRAND FIR	54	40	--	75	168
NOBLE FIR	20	135	--	--	155
PACIFIC SILVER FIR	--	27	--	--	27
OTHER SOFTWOODS 3/	2	5	--	9	16
TOTAL	6,337	9,897	429	4,931	21,594
HARDWOODS:					
RED ALDER	764	1,437	85	1,139	3,426
BIGLEAF MAPLE	246	209	13	523	991
OREGON WHITE OAK	18	13	--	128	159
BLACK COTTONWOOD	--	--	--	279	279
OREGON ASH	--	--	--	40	40
BITTER CHERRY	--	29	--	10	39
PACIFIC MADRONE	4	--	--	--	4
TOTAL	1,032	1,688	97	2,119	4,937
ALL SPECIES	7,369	11,585	527	7,049	26,531

-- = none found or less than 500,000 board feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes ponderosa pine, western white pine, and mountain hemlock.

TABLE 12--VOLUME OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND DIAMETER CLASS, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION CUBIC FEET										
SOFTWOODS:											
DOUGLAS-FIR	73	194	343	390	476	497	455	378	811	381	3,998
WESTERN HEMLOCK	72	133	174	197	147	123	109	63	148	97	1,264
SITKA SPRUCE	3	10	14	17	27	19	17	14	38	118	277
WESTERN REDCEDAR	4	6	4	14	9	10	15	16	76	74	227
GRAND FIR	3	4	5	4	8	2	6	3	4	8	47
NOBLE FIR	1	2	1	5	10	15	3	9	1	--	45
PACIFIC SILVER FIR	--	--	2	--	1	--	--	--	3	--	8
OTHER SOFTWOODS 3/	1	--	1	1	--	1	--	--	2	--	6
TOTAL	158	348	544	628	677	666	606	483	1,083	678	5,871
HARDWOODS:											
RED ALDER	87	143	202	221	182	129	106	41	87	9	1,207
BIGLEAF MAPLE	22	33	61	44	51	37	25	40	73	39	426
OREGON WHITE OAK	6	9	17	10	22	9	12	11	15	3	114
BLACK COTTONWOOD	--	--	--	--	--	2	3	4	13	28	49
OREGON ASH	--	--	2	16	3	3	6	2	4	2	38
BITTER CHERRY	4	6	4	7	2	--	--	--	--	--	24
PACIFIC MADRONE	1	--	2	1	--	--	--	--	--	--	4
TOTAL	121	191	289	299	259	179	152	97	191	81	1,861
ALL SPECIES	278	539	833	927	937	846	758	580	1,274	759	7,732

-- = none found or less than 500,000 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes ponderosa pine, western white pine, lodgepole pine, and mountain hemlock.

TABLE 13--VOLUME OF SAWTIMBER ON NON-FEDERAL TIMBERLAND BY SPECIES AND DIAMETER CLASS, NORTHWEST OREGON, JANUARY 1, 1986 1/ 2/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION BOARD FEET, SCRIBNER RULE								
SOFTWOODS									
DOUGLAS-FIR	852	1,211	1,734	1,957	1,919	1,664	3,829	2,025	15,192
WESTERN HEMLOCK	438	663	572	526	480	292	694	485	4,151
SITKA SPRUCE	32	46	85	65	71	60	171	581	1,110
WESTERN REDCEDAR	7	37	27	28	48	56	273	298	774
GRAND FIR	11	15	32	8	28	13	18	43	168
NOBLE FIR	2	15	32	54	10	39	4	--	155
PACIFIC SILVER FIR	7	--	5	--	--	--	15	--	27
OTHER SOFTWOODS 3/	2	1	--	4	--	--	10	--	16
TOTAL	1,351	1,988	2,487	2,641	2,556	2,125	5,015	3,431	21,594
HARDWOODS:									
RED ALDER	--	808	801	621	528	199	427	41	3,426
BIGLEAF MAPLE	--	156	184	113	82	121	234	102	991
OREGON WHITE OAK	--	16	38	19	24	25	34	3	159
BLACK COTTONWOOD	--	--	--	9	14	21	81	154	279
OREGON ASH	--	12	4	6	6	2	6	3	40
BITTER CHERRY	--	29	10	--	--	--	--	--	39
PACIFIC MADRONE	--	4	--	--	--	--	--	--	4
TOTAL	--	1,024	1,036	768	655	368	782	303	4,937
ALL SPECIES	1,351	3,013	3,523	3,409	3,210	2,493	5,798	3,734	26,531

-- = none found or less than 500,000 board feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes ponderosa pine, western white pine, and mountain hemlock.

TABLE 14--GROSS ANNUAL GROWTH OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY OWNER AND BY SOFTWOODS AND HARDWOODS, NORTHWEST OREGON, 1985 1/ 2/

OWNER	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - - THOUSAND CUBIC FEET - - - - -		
OTHER PUBLIC	185	87,477	21,540	109,017
FOREST INDUSTRY:				
WITH MILLS	177	166,606	25,437	192,043
WITHOUT MILLS	156	4,971	2,339	7,310
FARMER AND MISCELLANEOUS PRIVATE	129	52,784	29,993	82,777
ALL OWNERS	165	311,838	79,309	391,146

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 15--GROSS ANNUAL GROWTH OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, NORTHWEST OREGON, 1985 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	63,184	92,266	4,106	38,979	198,534
WESTERN HEMLOCK	20,035	56,775	743	3,530	81,083
SITKA SPRUCE	2,030	11,630	--	2,494	16,154
WESTERN REDCEDAR	383	2,621	122	6,866	9,992
GRAND FIR	848	922	--	728	2,497
NOBLE FIR	714	1,833	--	--	2,547
PACIFIC SILVER FIR	--	533	--	--	533
OTHER SOFTWOODS 3/	282	26	--	188	496
TOTAL	87,477	166,606	4,971	52,784	311,838
HARDWOODS:					
RED ALDER	17,928	21,913	2,057	14,965	56,863
BIGLEAF MAPLE	3,053	2,842	227	9,078	15,199
OREGON WHITE OAK	337	119	--	2,565	3,021
BLACK COTTONWOOD	--	--	--	1,470	1,470
OREGON ASH	--	--	--	998	998
BITTER CHERRY	50	562	55	917	1,584
PACIFIC MADRONE	173	--	--	--	173
TOTAL	21,540	25,437	2,339	29,993	79,309
ALL SPECIES	109,017	192,043	7,310	82,777	391,146

-- = none found or less than 500 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes ponderosa pine, western white pine, mountain hemlock, and lodgepole pine.

TABLE 16--AVERAGE ANNUAL MORTALITY OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, NORTHWEST OREGON, 1985 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	3,812	5,351	281	2,804	12,248
WESTERN HEMLOCK	1,513	2,488	43	217	4,261
SITKA SPRUCE	99	473	--	221	792
WESTERN REDCEDAR	32	157	5	459	654
GRAND FIR	63	38	--	44	145
NOBLE FIR	20	106	--	--	126
PACIFIC SILVER FIR	--	22	--	--	22
OTHER SOFTWOODS 3/	4	4	--	10	17
TOTAL	5,544	8,639	329	3,753	18,265
HARDWOODS:					
RED ALDER	2,504	3,874	287	2,924	9,589
BIGLEAF MAPLE	599	774	50	1,871	3,293
OREGON WHITE OAK	97	48	--	751	897
BLACK COTTONWOOD	--	--	--	369	369
OREGON ASH	--	--	--	289	289
BITTER CHERRY	7	99	8	70	184
PACIFIC MADRONE	33	--	--	--	33
TOTAL	3,241	4,795	345	6,274	14,655
ALL SPECIES	8,785	13,433	674	10,028	32,920

-- = none found or less than 500 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes ponderosa pine, western white pine, mountain hemlock, and lodgepole pine.

TABLE 17--TIMBER HARVEST BY OWNER, NORTHWEST OREGON, 1962-85

YEAR	NATIONAL FOREST	OTHER PUBLIC	PRIVATE	ALL OWNERS
	THOUSAND BOARD FEET, SCRIBNER RULE			
1962	390,900	232,517	593,205	1,216,622
1963	412,900	248,126	660,941	1,321,967
1964	422,100	261,395	705,875	1,389,370
1965	480,100	218,285	754,899	1,453,284
1966	421,800	241,700	712,167	1,375,667
1967	375,100	202,256	637,594	1,214,950
1968	472,784	277,011	851,398	1,601,193
1969	446,991	212,951	810,336	1,470,278
1970	360,446	196,161	723,979	1,280,586
1971	318,842	221,344	848,997	1,389,183
1972	464,717	290,947	666,540	1,422,204
1973	494,720	348,864	675,907	1,519,491
1974	358,458	209,187	617,685	1,185,330
1975	283,323	140,295	641,572	1,065,190
1976	361,446	245,655	734,873	1,341,974
1977	306,621	248,547	662,834	1,218,002
1978	270,352	196,250	797,421	1,264,023
1979	394,212	233,877	733,429	1,361,518
1980	394,749	216,699	576,885	1,188,333
1981	292,298	254,346	517,775	1,064,419
1982	196,266	120,933	616,982	934,181
1983	360,466	291,783	671,507	1,323,761
1984	426,389	305,060	666,992	1,398,441
1985	422,075	281,395	903,588	1,607,058

ACKNOWLEDGMENTS

This inventory was completed with the cooperation and assistance of many. The Oregon State Department of Forestry assisted us with training, advice, and a cooperative agreement that helped support the inventory effort; county assessors provided ownership information; timber companies and many individuals allowed access to their forest lands.

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METRIC EQUIVALENTS

1,000 acres = 404.7 hectares
1,000 cubic feet = 28.3 cubic meters
1 cubic foot per acre = 0.07 cubic meter per hectare
1 foot = 0.3048 meter
1 inch = 2.54 centimeters
1 mile = 1.609 kilometers

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Gedney, Donald R.; Bassett, Patricia M.; Mei, Mary A.
Timber resource statistics for non-Federal forest land in northwest Oregon. Resour. Bull. PNW-RB-140. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1986. 26 p.

This report summarizes a 1986 timber resource inventory of the non-Federal forest land in the 10 counties (Clackamas, Clatsop, Columbia, Hood River, Marion, Multnomah, Polk, Tillamook, Washington, and Yamhill) in northwest Oregon. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Oregon (northwest).

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Pacific Northwest Research Station
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P.O. Box 3890
Portland, Oregon 97208

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Timber Resource Statistics for the Porcupine Inventory Unit of Alaska, 1978

Theodore S. Setzer

Author

THEODORE S. SETZER is a research forester, Pacific Northwest Research Station, Forestry Sciences Laboratory, 201 East Ninth Avenue, Suite 303, Anchorage, Alaska 99501.

Abstract

Setzer, Theodore S. Timber resource statistics for the Porcupine inventory unit, Alaska, 1978. Resour. Bull. PNW-RB-141. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1987 32 p.

A timber resource inventory of the Porcupine inventory unit, Alaska, was conducted in 1977 and 1978. Statistics on forest area, timber volumes, and annual growth and mortality from this inventory are presented. Timberland area is estimated at 1,453 thousand acres, and net growing stock volume, mostly softwood, is 530,505 thousand cubic feet. Net annual growth of growing stock is estimated at -3,415 thousand cubic feet and annual mortality at 5,841 thousand cubic feet.

Keywords: Forest surveys, timber resources, statistics (forest), Alaska (interior), interior Alaska.

Summary

The Forest Inventory and Analysis (FIA) work unit of the Pacific Northwest Research Station conducted a timber resource inventory of the Porcupine inventory unit in 1977 and 1978. The 8,905-thousand-acre unit is bounded, roughly, on the north by Spike Mountain and White Snow Mountain; on the west by the Christian River and Canvassback Lake; on the south by Burman Lake, Birch Creek, Twentytwo Mile Slough, Bear Mountain, and Steamboat Mountain; and on the east by the Canadian border.

Statistics on forest area, net timber volumes, and annual growth are presented from the 1978 inventory of the Porcupine unit. Timberland area is estimated at 1,453 thousand acres and net growing stock volume at 530,505 thousand cubic feet. Net annual growth of growing stock is estimated at -3,415 thousand cubic feet and annual mortality at 5,841 thousand cubic feet.

Preface

Forest Inventory and Analysis is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service Experiment Stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for inventories in Alaska, California, Hawaii, Oregon, and Washington.

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Highlights

	Thousand acres	*Thousand hectares*
Total Porcupine inventory unit area:	8,905	3 604
Forest land	7,542	3 052
Nonforest land	1,000	405
Non-Census water	156	63
Census water	208	84
Forested area:		
Timberland	1,453	588
Other forest land	6,089	2 464
Forest land type composition:		
Black spruce	3,432	1 389
White spruce	2,717	1 100
Balsam poplar	114	46
Aspen	1,063	430
Birch	206	83
Nonstocked	10	4

	All growing stock		Sawtimber	
	Thousand cubic feet 1/	*Thousand cubic meters* 1/	*Thousand board feet* 2/	*Thousand cubic meters* 3/
Volumes on forest land:	1,065,479	30 153	1,923,122	10 289
Net volume on timberland	530,505	15 013	1,413,896	7 564
Net annual growth on timberland	4/ -3,415	-97	-15,182	-79
Annual mortality on timberland	5,841	165	17,491	90

	Softwood Sawtimber	Hardwood sawtimber	Total
	Thousand cubic feet		
Net annual growth on timberland	-2,801	4	-2 797
Annual mortality on timberland	3,170	--	3 170

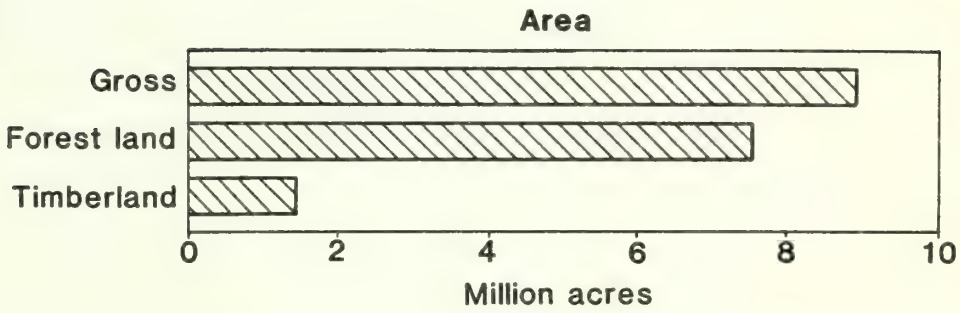
1/ Volume of roundwood for live trees 5.0 inches (12.7 cm) in d.b.h. and larger.

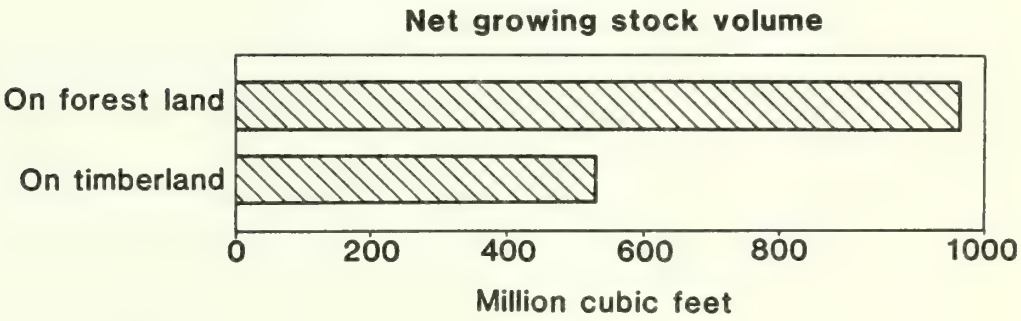
2/ Net volume, International 1/4-inch rule, for trees 9.0 inches (22.9 cm) in d.b.h. and larger.

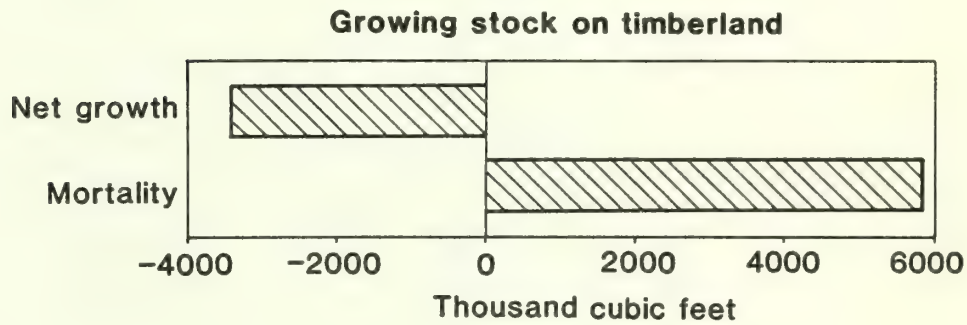
3/ Volume of roundwood for trees 9.0 inches (22.9 cm) in d.b.h. and larger.

4/ Negative net annual growth indicates that annual mortality exceeded gross annual growth.

Porcupine unit at a glance







Introduction

The Porcupine inventory unit lies between 65°55' and 67°40' N. latitude, and 141° and 146°30' W. longitude. Fieldwork for the unit was completed in 1978 by the Alaska Forest Inventory and Analysis (FIA) work unit of the Pacific Northwest Research Station. Planning and preliminary work began in 1976.

The 8,905-thousand-acre Porcupine unit (figs. 1-3) includes the Porcupine Plateau physiographic province on the north and east, and part of the Yukon Flats province in the west (Wahrhaftig 1965). The Porcupine River flows through the tract from the northeast to the southwest and empties into the Yukon River. Fort Yukon, the area's largest town, lies where the two rivers join. The Black, Sheenjek, Christian, and Coleen Rivers are other prominent drainages in the unit. The rivers, for the most part, are heavily braided and subject to flooding. All but the Yukon, which is fed by glaciers, are considered clearwater streams.

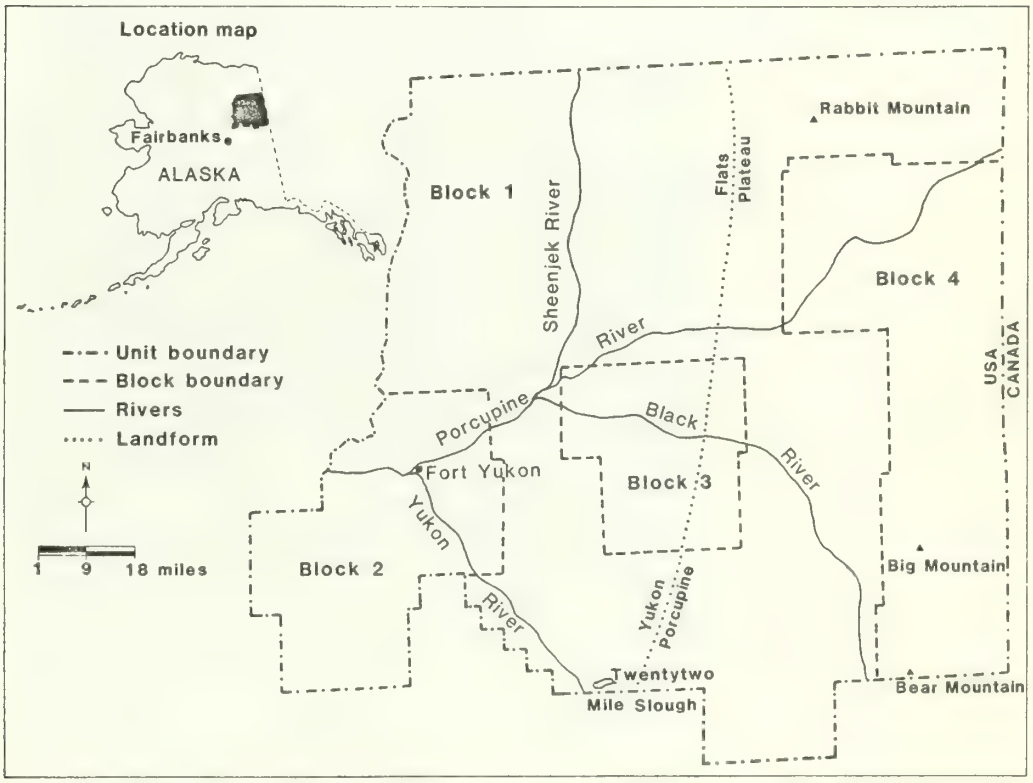


Figure 1--Porcupine inventory unit with the plateau to the east and the flats to the west.

Inventory Procedures

A double-sampling method was used to derive estimates of area and timber volume (Bickford 1952). To provide for adequate statistical precision, 15,146 points were systematically distributed on 1:120,000-scale color infrared aerial photos. This level of sampling in the photo interpretation phase provided slightly more than one photo point per square mile. At each photo point, a 1-acre sample of the land class surrounding the point was examined steroscopically and placed into the following sampling strata:

Forest land			Nonforest land
Forest	*Volume*	*Cubic feet*	Shrub
			Grassland and tundra
Softwood	High	>1,500	Barren
	Medium	500-1,499	Census water
	Low	<500	Ponds (non-Census water)
Hardwood	High	>1,500	Streams (non-Census water)
	Medium	500-1,499	
	Low	<500	
Black spruce	High	>500	
	Low	<500	

Ancillary data collected at this phase of sampling included land ownership, exploratory soil survey classification, and topographic aspect.

From these photo points, a random sample of 521 points was allocated based on strata areas and expected timber volume variation. These 521 points were used for ground observation and measurement during the field seasons. Ground plots were located at, or very near, the exact corresponding points established on the photos. At each of these 1-acre ground plots, a 10-point cluster of variable- and fixed-radius plots were measured. These measurements were the basis for the estimates given in this resource bulletin. 5/

5/ Unpublished report, 1980. "Field Procedures for the Cooperative Vegetation Inventory of the Susitna River Basin, Alaska," by Bert R. Mead, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, Forestry Sciences Laboratory, 201 East Ninth Avenue, Suite 303, Anchorage, Alaska 99501.

On each forested point, a 40-square-foot basal area factor gauge was used to select sample trees larger than 5 inches d.b.h. (diameter at breast height) for detailed measurement of size, productivity, and quality. Trees less than 5 inches were measured on 1/300-acre circular plots at each of the 10 points.

Through data-processing procedures, the photo sample and the ground samples of tree volume, land class, and other factors were expanded to provide the data needed or specified for area and volume.

Reliability of Inventory Data

Area and volume statistics reported here are estimates based on sampling and, therefore, are subject to sampling error. The reliability of the inventory is expressed in terms of relative sampling errors at the 68-percent confidence level:

	Design sampling error 6/	Sampling error achieved	Sampling error of the total estimate
		Percent	
Timberland area:			
Per million acres	3.0	11.5	
For the total 1,453,052 acres			±9.6
Other forest land area:			
Per million acres	10.0	6.9	
For the total 6,088,154 acres			±2.8
Net growing stock volume:			
Per billion cubic feet	10.0	14.8	
For the total 530,504,922 ft^3			±20.3
Net annual growth of growing stock:			
Per billion cubic feet	10.0	5.4	
For the total -3,415,486 ft^3 (see footnote 4)			±92.1

The estimate of net growing stock volume for the Porcupine unit, all blocks combined, is 530.505 million cubic feet, ±20.3 percent, yielding 68-percent confidence limits of 638.197 million and 422.812 million cubic feet. A 68-percent confidence level means that if repeated samples are taken of this population, the total volume would be between 638.197 million and 422.812 million cubic feet, 68 percent of the time.

6/ Forest Service Handbook 4813.1. Chapter 10, Operational Procedures 11.1--1; 1967.

Design sampling errors for timberland area (3 percent) and cubic-foot net growing stock volume (10 percent) were not met. Design sampling errors for other forest land area and net growth on growing stock (both 10 percent) were met.

Terminology 7/

Acceptable trees--Trees meeting the specifications for growing stock but not qualifying as desirable trees.

Basal area--A measure of square feet of space occupied by the stem of a tree at diameter breast height.

Census water--Area reported as water by the Bureau of the Census: streams, sloughs, estuaries, and canals more than one-eighth mile wide; and lakes, reservoirs, and ponds of more than 40 acres.

Commercial species--Tree species presently or potentially suitable for industrial wood products.

Cull material--Portions of a tree unusable for industrial products because of rot, form, or other defect.

Cull trees--Live trees of sawtimber or poletimber size that are not merchantable for saw logs now nor are they likely to become merchantable because of defect, rot, or species.

D.b.h.--Diameter at breast height, a point 4-1/2 feet above the ground on the uphill side of a tree, where, on a normally formed tree, the diameter is measured.

Desirable trees--Growing stock trees with no serious defects in quality limiting present or prospective use, relatively high vigor, and hosting no pathogens that could result in death or serious deterioration before rotation age. They include the type of trees forest managers aim to grow; that is, the trees left in silvicultural cutting or favored in cultural operations.

Diameter class--A classification of trees based on diameter of the tree outside the bark; measurement is at breast height (4-1/2 feet above the ground). Two-inch diameter classes are commonly used by FIA, with the even inch the approximate midpoint for a class.

7/ Terminology is from the manual of field procedures for the Susitna River basin inventory (see footnote 5), and Forest Service Handbook 4813.1 (see footnote 6).

Forest land--Land at least 16.7 percent stocked by forest trees of any size, or land formerly having such tree cover, and not currently developed for nonforest use.

Forest trees--Woody plants having a well-developed stem and usually more than 12 feet tall at maturity.

Forest types--A classification of forest land based on the species forming a plurality of the live tree stocking.

Black spruce--Forests in which a plurality of the stand is black spruce. Black spruce most often occurs in nearly pure stands but can be found mixed with tamarack, white spruce, paper birch, and aspen. Black spruce is fairly characteristic of poorer forest land.

White spruce--Forests in which a plurality of the stand is white spruce (Figure 2). Common associates include paper birch and balsam poplar and, occasionally, black spruce or quaking aspen.

Balsam poplar--Forests in which a plurality of the stand is balsam poplar. South of the Alaska Range, balsam poplar may be replaced by black cottonwood or hybrids between the two. As the poplar ages, it is usually replaced by white spruce; however, it is usually found as a nearly pure type with only an occasional associate of white spruce or paper birch.

Paper birch--Forests in which a plurality of the stand is paper birch. Paper birch can occur in pure stands but is more often mixed with white spruce, quaking aspen, or black spruce.

Quaking aspen--Forests in which a plurality of the stand is aspen (Figure 3). Aspen is usually found as a pure type following fire and a willow stage of succession. As the aspen ages, it is usually replaced by spruce, except on very dry sites where it may remain as a pure type. Common associates include black spruce and white spruce and, occasionally, paper birch.

Gross growth--Annual increase in net volume of trees that have not been cut or have not died.

Growing stock trees--Sawtimber trees, poletimber trees, saplings, and seedlings; that is, all live trees except cull trees.

Growing stock volume--The net cubic-foot volume of sound wood in the bole of growing stock trees 5.0 inches in d.b.h. and larger, from stump to a minimum 4.0-inch top outside the bark or to the point where the central stem breaks into limbs.

Hardwoods--Dicotyledonous trees, usually broadleaved and deciduous. Hardwood species in interior Alaska are balsam poplar, black cottonwood, paper birch, and quaking aspen.

International 1/4-inch rule--A log rule using diameter and length to give yields of logs in board feet of lumber produced when 1-inch boards are cut. It assumes one-half inch of taper per 4 feet of log and a saw kerf of one-fourth inch.

Land area--Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 120 feet wide; and lakes, reservoirs, and ponds less than 1 acre in area.

Land cover class--A classification of land by the predominant vegetative cover on it, such as forest land. The minimum size area for classification is 1 acre.

Mean annual increment (MAI)--A measure of the volume of wood, in cubic feet, produced on 1 acre during 1 year. FIA minimum standard for timberland is the ability to produce at least 20 cubic feet per acre per year.

Mortality--Number of or the sound wood volume from live trees dying from natural causes during a specified period (5 years).

Net annual growth of growing stock--The annual change in volume of sound wood in live sawtimber and poletimber trees.

Net annual growth of sawtimber--The annual change in net board-foot volume of live sawtimber trees.

Net volume--The gross volume of a tree less deductions for rot, sweep, or other defect affecting product use.

Non-Census water--Streams, sloughs, estuaries, and canals between 120 feet and one-eighth mile wide; and lakes, reservoirs, and ponds of 1 to 40 acres.

Noncommercial species--Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial wood products.

Nonforest land--Land that does not qualify as forest land. Includes land that has never supported forests and lands formerly forested where forest use is precluded by development for nonforest uses, such as crops, improved pasture, residential areas, and city parks. Also includes improved roads and certain areas of water classified by the Bureau of

Census as land. Unimproved roads, streams, canals, and nonforest strips in forest areas must be more than 120 feet wide, and clearings in forest areas must be more than 1 acre to qualify as nonforest land.

Nonstockable land--Areas of forest land not capable of supporting forest growth because of rock, water, etc.

Nonstocked areas--Timberland less than 16.7 percent stocked with growing stock trees.

Other forest land--Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions (producing less than 20 cubic feet per acre per year). This includes sterile or poorly drained forest land, subalpine forests, and steep, rocky areas where topographic conditions are likely to prevent management for timber production. Also included is productive forest land withdrawn from commercial timber use by statute or administrative regulation.

Other forest land, inoperable--Other forest land with a gross volume less than 800 cubic feet per acre.

Other forest land, operable--Other forest land with a gross volume of 800 cubic feet or more per acre.

Poletimber stands--Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Poletimber trees--Trees 5.0 to 8.9 inches in d.b.h. for softwoods and 5.0 to 10.9 inches in d.b.h. for hardwoods.

Rotten trees--Live trees that do not contain a saw log now and are not likely to, primarily because of rot.

Rough trees--Live trees that do not contain a saw log now and are not likely to, primarily because of roughness or poor form, or because they are a noncommercial species.

Salvable dead trees--Standing dead trees that are considered currently or potentially merchantable by regional standards. A poletimber tree must be more than one-half sound, a sawtimber tree more than one-third sound (board measure).

Sapling trees--Trees 1.0 to 4.9 inches in d.b.h.

Saw log--A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum small-end diameter of 6 inches inside the bark for softwoods and 8 inches for hardwoods.

Saw-log portion--The bole of sawtimber trees between the stump and the saw-log top.

Saw-log top--The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum top diameter is 7.0 inches outside the bark for softwoods and 9.0 inches outside the bark for hardwoods.

Sawtimber stands--Stands at least 16.7 percent stocked with growing stock trees, with half or more of this stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to that of poletimber.

Sawtimber trees--Trees at least 9.0 inches in d.b.h. for softwoods and 11.0 inches in d.b.h. for hardwoods.

Sawtimber volume--The volume of sawtimber trees measured in board feet. Net volume equals gross volume less deductions for rot, sweep, crook, and other defects that affect use for lumber.

Seedling--An established tree less than 1.0 inch in d.b.h.

Seedling and sapling stands--Stands at least 16.7 percent stocked with growing stock trees and with seedlings or saplings, or both, comprising more than half of this stocking.

Site class--A classification of forest land based on its capacity to grow crops of industrial wood. Site classifications are based on the mean annual cubic-foot growth of growing stock attainable in fully stocked stands at culmination of mean annual increment.

Softwoods--Coniferous trees, usually evergreen with needles or scalelike leaves. Species in interior Alaska are white spruce, black spruce, and tamarack.

Stand size class--A classification of forest land based on the predominant size of growing stock present: sawtimber, poletimber, or seedlings and saplings.

Stand volume class--A classification of forest land based on cubic-foot or board-foot timber volume per acre.

Stocking--The degree of occupancy of land by trees, measured by basal area or the number of trees in a stand, or both, by size or age and spacing, compared with the basal area or number of trees required to fully utilize the growth potential of the land; that is, the stocking standard.

Timber class--A classification of trees based on characteristics of quality such as vigor, size of limbs and knots, and presence or absence of rot. Classes include growing stock; desirable and acceptable trees; and rough, rotten, and salvable dead trees.

Timberland--Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as timberland could produce more than 20 cubic feet per acre per year of industrial wood under management.

Tree size class--A classification of trees based on the diameter of the tree at breast height.

Upper-stem portion--That part of the main stem or fork of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside the bark or to the point where the main stem or fork breaks into limbs.

Water--See Census water and non-Census water.

Names of Trees

Common name	Scientific name 8/
Softwoods:	
Black spruce	*Picea mariana* (Mill.) B.S.P.
Tamarack	*Larix laricina* (Du Roi) K. Koch
White spruce	*Picea glauca* (Moench) Voss
Hardwoods:	
Balsam poplar	*Populus balsamifera* L.
Black cottonwood	*Populus trichocarpa* Torr. and Gray
Paper birch	*Betula papyrifera* Marsh.
Quaking aspen	*Populus tremuloides* Michx.

8/ Scientific names are according to Viereck and Little (1972).

Tables

Estimates in this report are developed from statistically based samples and therefore are subject to sampling error. Sampling errors for estimates of various sizes are presented in the section "Reliability of Inventory Data."

TABLE 1--AREA BY FOREST TYPE AND LAND CLASS, BLOCK 1, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS								
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NON-CENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
	THOUSAND ACRES								
BLACK SPRUCE	67	34	2,360	2,461	--	--	--	--	2,461
WHITE SPRUCE	416	82	1,354	1,852	--	--	--	--	1,852
BALSAM POPLAR	51	--	31	83	--	--	--	--	83
ASPEN	304	--	286	590	--	--	--	--	590
BIRCH	77	--	85	162	--	--	--	--	162
NONSTOCKED	--	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	623	90	713	98	811
ALL CLASSES	915	117	4,116	5,148	623	90	713	98	5,959

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 2--AREA BY FOREST TYPE AND LAND CLASS, BLOCK 2, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS								
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NON-CENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
	THOUSAND ACRES								
BLACK SPRUCE	--	--	37	37	--	--	--	--	37
WHITE SPRUCE	158	25	142	325	--	--	--	--	325
BALSAM POPLAR	22	--	--	22	--	--	--	--	22
ASPEN	124	--	183	307	--	--	--	--	307
BIRCH	1	--	13	14	--	--	--	--	14
NONSTOCKED	--	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	177	38	215	79	294
ALL CLASSES	304	25	375	705	177	38	215	79	999

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 3--AREA BY FOREST TYPE AND LAND CLASS, BLOCK 3, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS								
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NON-CENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
	THOUSAND ACRES								
BLACK SPRUCE	28	--	146	174	--	--	--	--	174
WHITE SPRUCE	82	--	88	170	--	--	--	--	170
BALSAM POPLAR	10	--	--	10	--	--	--	--	10
ASPEN	40	--	72	112	--	--	--	--	112
BIRCH	5	--	10	15	--	--	--	--	15
NONSTOCKED	10	--	--	10	--	--	--	--	10
UNCLASSIFIED	--	--	--	--	104	19	123	31	154
ALL CLASSES	175	--	316	491	104	19	123	31	645

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 4--AREA BY FOREST TYPE AND LAND CLASS, BLOCK 4, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS								
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NON-CENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
	THOUSAND ACRES								
BLACK SPRUCE	--	--	760	760	--	--	--	--	760
WHITE SPRUCE	55	--	313	368	--	--	--	--	368
BALSAM POPLAR	--	--	--	--	--	--	--	--	--
ASPEN	1	--	52	53	--	--	--	--	54
BIRCH	--	--	15	15	--	--	--	--	15
NONSTOCKED	--	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	96	9	105	--	105
ALL CLASSES	56	--	1,140	1,196	96	9	105	--	1,302

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 5--AREA BY FOREST TYPE AND LAND CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS								
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NON-CENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
	THOUSAND ACRES								
BLACK SPRUCE	95	34	3,303	3,432	--	--	--	--	3,431
WHITE SPRUCE	712	108	1,897	2,717	--	--	--	--	2,717
BALSAM POPLAR	83	--	31	114	--	--	--	--	114
ASPEN	470	--	593	1,063	--	--	--	--	1,063
NONSTOCKED	10	--	--	10	--	--	--	--	10
UNCLASSIFIED	--	--	--	--	1,000	156	1,156	208	1,364
ALL CLASSES	1,453	142	5,947	7,542	1,000	156	1,156	208	8,905

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 6--AREA OF FOREST LAND BY FOREST TYPE, STAND SIZE CLASS, AND CUBIC-FOOT SITE CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE AND STAND SIZE CLASS	SITE CLASS (CUBIC FEET) 1/ 1-9	10-14	15-19	20-49	50-84	ALL CLASSES
			ACRES			
BLACK SPRUCE:						
SAWTIMBER	--	--	--	--	--	--
POLETIMBER	--	--	34	--	--	34
SEEDLING AND SAPLING	2,303	309	194	75	--	2,881
NONSTOCKED AREAS	463	34	--	19	--	517
TOTAL	2,766	343	228	95	--	3,432
WHITE SPRUCE:						
SAWTIMBER	--	--	--	46	--	46
POLETIMBER	--	43	67	112	--	222
SEEDLING AND SAPLING	825	572	474	520	--	2,391
NONSTOCKED AREAS	15	8	--	34	--	58
TOTAL	840	623	541	712	--	2,717
BALSAM POPLAR:						
SAWTIMBER	--	--	--	--	--	--
POLETIMBER	--	--	--	33	--	33
SEEDLING AND SAPLING	--	16	15	50	--	81
NONSTOCKED AREAS	--	--	--	--	--	--
TOTAL	--	16	15	83	--	114
ASPEN:						
SAWTIMBER	--	--	--	--	--	--
POLETIMBER	--	--	--	14	--	14
SEEDLING AND SAPLING	168	185	240	456	--	1049
NONSTOCKED AREAS	--	--	--	--	--	--
TOTAL	168	185	240	470	--	1,063
BIRCH:						
SAWTIMBER	--	--	--	--	--	--
POLETIMBER	--	--	--	29	--	29
SEEDLING AND SAPLING	85	15	23	54	--	177
NONSTOCKED AREAS	--	--	--	--	--	--
TOTAL	85	15	23	83	--	206
NONSTOCKED:						
SAWTIMBER	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--
SEEDLING AND SAPLING	--	--	--	--	--	--
NONSTOCKED AREAS	--	--	--	10	--	10
TOTAL	--	--	--	10	--	10
ALL TYPES:						
SAWTIMBER	--	--	--	46	--	46
POLETIMBER	--	43	101	188	--	332
SEEDLING AND SAPLING	3,381	1,097	946	1,155	--	6,579
NONSTOCKED AREAS	478	42	--	63	--	584
TOTAL	3,859	1,182	1,047	1,453	--	7,542

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 7--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 1, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	141,973	16,098	158,071	34,363	17,584	212,071	264,017	422,088
3.0-4.9	44,504	473	44,977	10,428	8,180	30,120	48,727	93,705
5.0-6.9	17,601	--	17,601	6,503	877	412	7,793	25,393
7.0-8.9	9,598	1,096	10,694	1,397	207	--	1,604	12,297
9.0-10.9	5,330	199	5,529	116	48	--	164	5,693
11.0-12.9	1,947	--	1,947	--	38	--	38	1,985
13.0-14.9	763	--	763	--	50	--	50	813
15.0-16.9	231	--	231	--	--	--	--	231
17.0-18.9	120	--	120	--	--	--	--	120
19.0-20.9	70	--	70	--	--	--	--	70
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	222,137	17,866	240,003	52,807	26,984	242,603	322,393	562,395

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 8--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 2, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	95,923	--	95,923	1,326	6,418	150,793	158,537	254,459
3.0-4.9	24,154	1,029	25,183	1,148	4,654	17,793	23,595	48,778
5.0-6.9	9,766	--	9,766	215	1,154	4,680	6,049	15,815
7.0-8.9	3,562	--	3,562	59	1,095	1,137	2,291	5,854
9.0-10.9	1,728	--	1,728	9	604	--	613	2,341
11.0-12.9	918	--	918	--	113	--	113	1,030
13.0-14.9	713	--	713	--	41	--	41	754
15.0-16.9	133	--	133	--	23	--	23	156
17.0-18.9	174	--	174	--	--	--	--	174
19.0-20.9	25	--	25	--	16	--	16	40
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	16	--	16	--	--	--	--	16
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	137,112	1,029	138,141	2,757	14,118	174,403	191,278	329,417

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 9--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 3, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	82,392	23,026	105,418	3,133	8,131	66,391	77,655	183,073
3.0-4.9	16,287	1,449	17,736	287	1,509	5,697	7,493	25,229
5.0-6.9	4,736	152	4,888	162	1,843	1,303	3,308	8,196
7.0-8.9	1,202	--	1,202	171	1,630	668	2,469	3,671
9.0-10.9	519	--	519	--	385	369	754	1,273
11.0-12.9	260	--	260	--	54	--	54	314
13.0-14.9	109	--	109	--	82	--	82	191
15.0-16.9	56	--	56	--	--	--	--	56
17.0-18.9	23	--	23	--	--	--	--	23
19.0-20.9	10	--	10	--	--	--	--	10
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	105,594	24,627	130,221	3,753	13,634	74,428	91,815	222,036

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 10--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 4, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	11,229	2,670	13,899	--	88	3,247	3,335	17,234
3.0-4.9	4,662	--	4,662	--	--	176	176	4,838
5.0-6.9	2,610	--	2,610	141	--	321	463	3,073
7.0-8.9	811	--	811	--	--	88	88	899
9.0-10.9	220	--	220	--	--	--	--	220
11.0-12.9	--	--	--	--	--	--	--	--
13.0-14.9	53	--	53	--	--	--	--	53
15.0-16.9	68	--	68	--	--	--	--	68
17.0-18.9	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	19,653	2,670	22,322	141	88	3,834	4,062	26,385

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 11--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	331,516	41,794	373,310	38,822	32,221	432,502	503,545	876,855
3.0-4.9	89,606	2,952	92,558	11,863	14,343	53,786	79,992	172,550
5.0-6.9	34,713	152	34,865	7,022	3,874	6,717	17,613	52,478
7.0-8.9	15,173	1,096	16,269	1,628	2,932	1,893	6,453	22,722
9.0-10.9	7,796	199	7,995	124	1,038	369	1,531	9,526
11.0-12.9	3,125	--	3,125	--	205	--	205	3,330
13.0-14.9	1,638	--	1,638	--	173	--	173	1,811
15.0-16.9	489	--	489	--	23	--	23	512
17.0-18.9	317	--	317	--	--	--	--	317
19.0-20.9	104	--	104	--	16	--	16	120
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	16	--	16	--	--	--	--	16
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	484,493	46,193	530,686	59,459	54,825	495,267	609,551	1,140,237

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 12--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 1, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	151,267	63,768	215,035	41,489	23,720	277,947	343,156	558,191
3.0-4.9	46,105	5,793	51,898	15,041	11,015	42,831	68,887	120,785
5.0-6.9	19,224	--	19,224	6,886	1,188	1,209	9,283	28,507
7.0-8.9	10,578	1,096	11,674	1,397	457	281	2,135	13,809
9.0-10.9	5,637	199	5,836	116	206	--	322	6,158
11.0-12.9	1,947	--	1,947	132	38	--	170	2,117
13.0-14.9	763	--	763	--	50	--	50	813
15.0-16.9	231	--	231	--	--	--	--	231
17.0-18.9	120	--	120	--	--	--	--	120
19.0-20.9	70	--	70	--	--	--	--	70
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	235,942	70,856	306,798	65,061	36,674	322,268	424,003	730,801

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 9--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 3, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	82,392	23,026	105,418	3,133	8,131	66,391	77,655	183,073
3.0-4.9	16,287	1,449	17,736	287	1,509	5,697	7,493	25,229
5.0-6.9	4,736	152	4,888	162	1,843	1,303	3,308	8,196
7.0-8.9	1,202	--	1,202	171	1,630	668	2,469	3,671
9.0-10.9	519	--	519	--	385	369	754	1,273
11.0-12.9	260	--	260	--	54	--	54	314
13.0-14.9	109	--	109	--	82	--	82	191
15.0-16.9	56	--	56	--	--	--	--	56
17.0-18.9	23	--	23	--	--	--	--	23
19.0-20.9	10	--	10	--	--	--	--	10
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	105,594	24,627	130,221	3,753	13,634	74,428	91,815	222,036

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 10--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 4, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	11,229	2,670	13,899	--	88	3,247	3,335	17,234
3.0-4.9	4,662	--	4,662	--	--	176	176	4,838
5.0-6.9	2,610	--	2,610	141	--	321	463	3,073
7.0-8.9	811	--	811	--	--	88	88	899
9.0-10.9	220	--	220	--	--	--	--	220
11.0-12.9	--	--	--	--	--	--	--	--
13.0-14.9	53	--	53	--	--	--	--	53
15.0-16.9	68	--	68	--	--	--	--	68
17.0-18.9	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	19,653	2,670	22,322	141	88	3,834	4,062	26,385

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 11--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	331,516	41,794	373,310	38,822	32,221	432,502	503,545	876,855
3.0-4.9	89,606	2,952	92,558	11,863	14,343	53,786	79,992	172,550
5.0-6.9	34,713	152	34,865	7,022	3,874	6,717	17,613	52,478
7.0-8.9	15,173	1,096	16,269	1,628	2,932	1,893	6,453	22,722
9.0-10.9	7,796	199	7,995	124	1,038	369	1,531	9,526
11.0-12.9	3,125	--	3,125	--	205	--	205	3,330
13.0-14.9	1,638	--	1,638	--	173	--	173	1,811
15.0-16.9	489	--	489	--	23	--	23	512
17.0-18.9	317	--	317	--	--	--	--	317
19.0-20.9	104	--	104	--	16	--	16	120
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	16	--	16	--	--	--	--	16
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	484,493	46,193	530,686	59,459	54,825	495,267	609,551	1,140,237

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 12--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 1, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	151,267	63,768	215,035	41,489	23,720	277,947	343,156	558,191
3.0-4.9	46,105	5,793	51,898	15,041	11,015	42,831	68,887	120,785
5.0-6.9	19,224	--	19,224	6,886	1,188	1,209	9,283	28,507
7.0-8.9	10,578	1,096	11,674	1,397	457	281	2,135	13,809
9.0-10.9	5,637	199	5,836	116	206	--	322	6,158
11.0-12.9	1,947	--	1,947	132	38	--	170	2,117
13.0-14.9	763	--	763	--	50	--	50	813
15.0-16.9	231	--	231	--	--	--	--	231
17.0-18.9	120	--	120	--	--	--	--	120
19.0-20.9	70	--	70	--	--	--	--	70
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	235,942	70,856	306,798	65,061	36,674	322,268	424,003	730,801

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 13--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 2, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	98,742	--	98,742	1,841	9,108	175,140	186,089	284,831
3.0-4.9	24,411	1,286	25,697	1,188	6,519	21,190	28,897	54,594
5.0-6.9	9,766	--	9,766	215	2,100	5,243	7,558	17,324
7.0-8.9	3,681	--	3,681	59	1,380	1,283	2,722	6,403
9.0-10.9	1,728	--	1,728	9	669	--	678	2,406
11.0-12.9	918	--	918	--	255	--	255	1,173
13.0-14.9	713	--	713	--	91	--	91	804
15.0-16.9	168	--	168	--	27	--	27	195
17.0-18.9	174	--	174	--	--	--	--	174
19.0-20.9	25	--	25	--	16	--	16	41
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	16	--	16	--	--	--	--	16
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	140,342	1,286	141,628	3,312	20,165	202,856	226,333	367,961

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 14--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 3, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	91,738	29,625	121,363	3,133	9,641	80,578	93,352	214,715
3.0-4.9	16,287	3,171	19,458	287	1,953	5,999	8,239	27,697
5.0-6.9	4,736	152	4,888	584	2,056	1,712	4,352	9,240
7.0-8.9	1,202	--	1,202	227	1,630	807	2,664	3,866
9.0-10.9	519	--	519	--	385	369	754	1,273
11.0-12.9	260	--	260	--	113	--	113	373
13.0-14.9	109	--	109	--	82	--	82	191
15.0-16.9	56	--	56	--	--	--	--	56
17.0-18.9	23	--	23	--	--	--	--	23
19.0-20.9	10	--	10	--	--	--	--	10
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	114,940	32,948	147,888	4,231	15,860	89,465	109,557	257,444

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 15--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, BLOCK 4, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	11,531	2,670	14,201	--	132	3,291	3,423	17,624
3.0-4.9	4,662	--	4,662	--	--	176	176	4,838
5.0-6.9	2,610	--	2,610	141	--	321	462	3,072
7.0-8.9	811	--	811	--	--	88	88	899
9.0-10.9	220	--	220	--	--	--	--	220
11.0-12.9	--	--	--	--	--	--	--	--
13.0-14.9	53	--	53	--	--	--	--	53
15.0-16.9	68	--	68	--	--	--	--	68
17.0-18.9	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	19,955	2,670	22,625	141	132	3,876	4,149	26,774

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 16--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*THOUSAND TREES*				
1.0-2.9	353,278	96,063	449,341	46,463	42,601	536,957	626,021	1,075,362
3.0-4.9	91,464	10,250	101,714	16,516	19,487	70,196	106,199	207,913
5.0-6.9	36,336	152	36,488	7,826	5,344	8,486	21,656	58,144
7.0-8.9	16,270	1,096	17,366	1,683	3,467	2,459	7,609	24,975
9.0-10.9	8,103	199	8,302	124	1,261	369	1,754	10,056
11.0-12.9	3,125	--	3,125	132	406	--	538	3,663
13.0-14.9	1,638	--	1,638	--	223	--	223	1,861
15.0-16.9	524	--	524	--	27	--	27	551
17.0-18.9	317	--	317	--	--	--	--	317
19.0-20.9	104	--	104	--	16	--	16	120
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	16	--	16	--	--	--	--	16
25.0-AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	511,175	107,760	618,935	72,744	72,832	618,467	764,043	1,382,978

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 17--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, BLOCK 1, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS			
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL ALL CLASSES
	THOUSAND CUBIC FEET			
BLACK SPRUCE	--	42,423	62,436	104,859
WHITE SPRUCE	221,734	80,285	198,995	501,014
BALSAM POPLAR	1,068	--	--	1,068
ASPEN	2,361	--	766	3,127
BIRCH	72,522	--	9,749	82,271
ALL TYPES	297,685	122,708	271,946	692,339

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 18--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, BLOCK 2, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS			
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL ALL CLASSES
	THOUSAND CUBIC FEET			
BLACK SPRUCE	--	--	2,269	2,269
WHITE SPRUCE	130,417	24,699	15,820	170,936
BALSAM POPLAR	9,941	--	--	9,941
ASPEN	10,242	--	2,079	12,321
BIRCH	1,550	--	1,410	2,960
ALL TYPES	152,150	24,699	21,578	198,427

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 19--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, BLOCK 3, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS			
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL ALL CLASSES
	THOUSAND CUBIC FEET			
BLACK SPRUCE	4,298	--	7,630	11,928
WHITE SPRUCE	32,374	--	18,738	51,112
BALSAM POPLAR	17,817	--	--	17,817
ASPEN	5,325	--	--	5,325
BIRCH	2,550	--	--	2,550
ALL TYPES	62,364	--	26,368	88,732

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 20--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, BLOCK 4, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS			
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL ALL CLASSES
	THOUSAND CUBIC FEET			
BLACK SPRUCE	--	--	20,291	20,291
WHITE SPRUCE	16,092	--	47,072	63,164
BALSAM POPLAR	--	--	--	--
ASPEN	2,215	--	314	2,529
BIRCH	--	--	--	--
ALL TYPES	18,307	--	67,677	85,984

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 21--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS			
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL ALL CLASSES
	THOUSAND CUBIC FEET			
BLACK SPRUCE	4,298	42,423	92,626	139,347
WHITE SPRUCE	400,617	104,984	280,624	786,225
BALSAM POPLAR	28,825	--	--	28,825
ASPEN	20,143	--	3,159	23,302
BIRCH	76,621	--	11,159	87,780
ALL TYPES	530,505	147,407	387,568	1,065,479

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 22--NET VOLUME OF SAWTIMBER BY FOREST TYPE AND LAND CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

FOREST TYPE	LAND CLASS			
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL ALL CLASSES
	THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE			
BLACK SPRUCE	9,149	--	57,340	66,489
WHITE SPRUCE	1,220,471	127,945	313,781	1,662,197
BALSAM POPLAR	15,953	--	--	15,953
ASPEN	5,460	--	--	5,460
BIRCH	162,863	--	10,160	173,023
ALL TYPES	1,413,896	127,945	381,281	1,923,122

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 23--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND FOREST TYPE, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	FOREST TYPE					
	BLACK SPRUCE	WHITE SPRUCE	BALSAM POPLAR	ASPEN	BIRCH	ALL TYPES
INCHES AT BREAST HEIGHT	*THOUSAND CUBIC FEET*					
5.0-6.9	1,571	79,603	6,251	10,750	23,625	121,800
7.0-8.9	1,061	97,194	12,964	5,699	24,497	141,415
9.0-10.9	854	96,064	5,396	2,732	3,098	108,144
11.0-12.9	--	60,116	1,837	--	1,578	63,531
13.0-14.9	812	38,471	1,489	962	9,234	50,968
15.0-16.9	--	16,131	585	--	2,966	19,682
17.0-18.9	--	10,311	--	--	6,260	16,571
19.0-20.9	--	1,368	305	--	5,362	7,035
21.0-22.9	--	--	--	--	--	--
23.0-24.9	--	1,360	--	--	--	1,360
25.0 AND LARGER	--	--	--	--	--	--
ALL CLASSES	4,298	400,618	28,827	20,143	76,620	530,505

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 24--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY DIAMETER CLASS AND FOREST TYPE, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	FOREST TYPE					
	BLACK SPRUCE	WHITE SPRUCE	BALSAM POPLAR	ASPEN	BIRCH	ALL TYPES
INCHES AT BREAST HEIGHT	*THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE*					
9.0-10.9	4,637	484,273	--	--	10,133	499,043
11.0-12.9	--	333,978	5,528	--	9,326	348,832
13.0-14.9	4,513	221,654	5,763	5,460	54,606	291,996
15.0-16.9	--	95,050	2,893	--	17,559	115,502
17.0-18.9	--	66,579	--	--	37,789	104,368
19.0-20.9	--	9,166	1,769	--	33,450	44,385
21.0-22.9	--	--	--	--	--	--
23.0-24.9	--	9,771	--	--	--	9,771
25.0 AND LARGER	--	--	--	--	--	--
ALL CLASSES	9,150	1,220,471	15,953	5,460	162,863	1,413,897

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 25--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT	*THOUSAND CUBIC FEET*							
5.0-6.9	80,323	440	80,763	21,380	6,846	12,811	41,037	121,800
7.0-8.9	100,735	8,123	108,858	10,104	14,862	7,590	32,556	141,414
9.0-10.9	92,699	1,680	94,378	1,198	9,836	2,732	13,766	108,144
11.0-12.9	61,194	--	61,194	--	2,338	--	2,338	63,532
13.0-14.9	48,358	--	48,358	--	2,609	--	2,609	50,967
15.0-16.9	19,098	--	19,098	--	585	--	585	19,683
17.0-18.9	16,571	--	16,571	--	--	--	--	16,571
19.0-20.9	6,729	--	6,729	--	305	--	305	7,034
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	1,360	--	1,360	--	--	--	--	1,360
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	427,067	10,243	437,310	32,682	37,381	23,133	93,196	530,505

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 26--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT	*THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE*							
9.0-10.9	490,098	8,944	499,042					499,042
11.0-12.9	341,459	--	341,459	--	7,373	--	7,373	348,832
13.0-14.9	282,321	--	282,321	--	9,674	--	9,674	291,995
15.0-16.9	112,609	--	112,609	--	2,893	--	2,893	115,502
17.0-18.9	104,368	--	104,368	--	--	--	--	104,368
19.0-20.9	42,615	--	42,615	--	1,769	--	1,769	44,384
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	9,771	--	9,771	--	--	--	--	9,771
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	1,383,241	8,944	1,392,186	--	21,710	--	21,710	1,413,896

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 27--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND CUBIC-FOOT STAND VOLUME CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	STAND VOLUME CLASS (CUBIC FEET PER ACRE)					
	0-299	300-799	800-1,499	1,500-2,199	2,200 AND OVER	ALL CLASSES
INCHES AT BREAST HEIGHT	*THOUSAND CUBIC FEET*					
5.0-6.9	21,134	33,803	24,036	39,664	3,163	121,800
7.0-8.9	5,084	39,631	22,313	61,846	12,540	141,414
9.0-10.9	3,566	18,225	26,981	30,598	28,774	108,144
11.0-12.9	1,647	13,556	5,152	14,601	28,576	63,532
13.0-14.9	2,001	8,544	1,581	12,269	26,572	50,967
15.0-16.9	1,494	2,485	3,137	6,867	5,700	19,683
17.0-18.9	--	--	1,254	6,260	9,057	16,571
19.0-20.9	--	913	--	4,753	1,368	7,034
21.0-22.9	--	--	--	--	--	--
23.0-24.9	--	--	--	--	1,360	1,360
25.0 AND LARGER	--	--	--	--	--	--
ALL CLASSES	34,926	117,157	84,454	176,858	117,111	530,505

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 28--NET VOLUME OF TIMBER ON TIMBERLAND BY TIMBER CLASS AND CUBIC-FOOT SITE CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

TIMBER CLASS	SITE CLASS (CUBIC FEET)[1/] 20-49	50-84	85-119	ALL CLASSES
	THOUSAND CUBIC FEET			
SAWTIMBER TREES:				
SAW-LOG PORTION	232,279	--	--	232,279
UPPER STEM PORTION	21,246	--	--	21,246
TOTAL	253,525	--	--	253,525
POLETIMBER TREES	276,980	--	--	276,980
ALL GROWING STOCK	530,505	--	--	530,505
ROUGH TREES:				
SAWTIMBER	3,705	--	--	3,705
POLETIMBER	13,760	--	--	13,760
TOTAL	17,465	--	--	17,465
ROTTEN TREES:				
SAWTIMBER	675	--	--	675
POLETIMBER	2,240	--	--	2,240
TOTAL	2,915	--	--	2,915
SALVABLE DEAD TREES:				
SAWTIMBER	19,529	--	--	19,529
POLETIMBER	17,695	--	--	17,695
TOTAL	37,224	--	--	37,224
ALL CLASSES	588,109	--	--	588,109

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 29--NET VOLUME OF TIMBER ON TIMBERLAND BY TIMBER CLASS AND DIAMETER CLASS, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

TIMBER CLASS	DIAMETER CLASS (INCHES AT BREAST HEIGHT)											
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0 AND LARGER	ALL CLASSES
	THOUSAND CUBIC FEET											
SAWTIMBER TREES:												
SAW-LOG PORTION	--	--	82,095	58,476	48,238	19,015	16,193	6,913	--	1,348	--	232,279
UPPER STEM PORTION	--	--	12,283	5,055	2,729	668	378	121	--	12	--	21,246
TOTAL	--	--	94,378	63,531	50,967	19,683	16,571	7,034	--	1,360	--	253,525
POLETIMBER TREES	121,800	141,414	13,766	--	--	--	--	--	--	--	--	276,980
ALL GROWING STOCK	121,800	141,414	108,144	63,531	50,967	19,683	16,571	7,034	--	1,360	--	530,505
ROUGH TREES:												
SAWTIMBER	--	--	2,076	463	--	1,165	--	--	--	--	--	3,705
POLETIMBER	5,746	7,656	358	--	--	--	--	--	--	--	--	13,760
TOTAL	5,746	7,656	2,435	463	--	1,165	--	--	--	--	--	17,465
ROTTEN TREES:												
SAWTIMBER	--	--	--	494	151	30	--	--	--	--	--	675
POLETIMBER	1,090	731	419	--	--	--	--	--	--	--	--	2,240
TOTAL	1,090	731	419	494	151	30	--	--	--	--	--	2,915
SALVABLE DEAD TREES:												
SAWTIMBER	--	--	9,733	5,373	2,361	2,062	--	--	--	--	--	19,529
POLETIMBER	9,154	8,542	--	--	--	--	--	--	--	--	--	17,695
TOTAL	9,154	8,542	9,733	5,373	2,361	2,062	--	--	--	--	--	37,224
ALL CLASSES	137,790	158,343	120,731	69,861	53,479	22,940	16,571	7,034	--	1,360	--	588,109

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 30--NET VOLUME OF TIMBER ON TIMBERLAND BY TIMBER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

TIMBER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
	THOUSAND CUBIC FEET							
SAWTIMBER TREES:								
SAWLOG PORTION	226,303	1,399	227,702	--	4,577	--	4,577	232,279
UPPER STEM PORTION	19,705	280	19,986	--	1,260	--	1,260	21,246
TOTAL	246,008	1,679	247,688	--	5,837	--	5,837	253,525
POLETIMBER TREES	181,058	8,564	189,622	32,681	31,543	23,134	87,358	276,980
ALL GROWING STOCK	427,066	10,243	437,310	32,681	37,380	23,134	93,195	530,505
ROUGH TREES:								
SAWTIMBER	3,241	--	3,241	109	354	--	463	3,705
POLETIMBER	8,133	--	8,133	--	2,681	2,945	5,627	13,760
TOTAL	11,374	--	11,374	109	3,035	2,945	6,090	17,465
ROTTEN TREES:								
SAWTIMBER	--	--	--	--	675	--	675	675
POLETIMBER	--	--	--	485	730	1,025	2,240	2,240
TOTAL	--	--	--	485	1,405	1,025	2,915	2,915
SALVABLE DEAD TREES:								
SAWTIMBER	19,529	--	19,529	--	--	--	--	19,529
POLETIMBER	14,750	2,104	16,854	--	777	64	841	17,695
TOTAL	34,279	2,104	36,383	--	777	64	841	37,224
ALL CLASSES	472,719	12,347	485,067	33,275	42,597	27,168	103,041	588,109

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 31--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY BASAL AREA CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

BASAL AREA CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
SQUARE FEET PER ACRE	*THOUSAND CUBIC FEET*							
1-19	16,377	--	16,377	3,069	3,218	4,217	10,504	26,881
20-39	74,408	440	74,848	1,466	--	5,534	7,000	81,848
40-59	68,973	--	68,973	1,585	8,027	10,418	20,030	89,003
60-79	63,958	--	63,958	4,419	822	2,965	8,206	72,164
80-99	98,518	9,803	108,321	22,142	2,178	--	24,320	132,641
100-119	14,419	--	14,419	--	2,061	--	2,061	16,479
120-139	--	--	--	--	17,817	--	17,817	17,817
140-159	--	--	--	--	--	--	--	--
160-179	27,664	--	27,664	--	--	--	--	27,664
180-199	--	--	--	--	--	--	--	--
200 AND OVER	62,749	--	62,749	--	3,258	--	3,258	66,007
ALL CLASSES	427,066	10,243	437,310	32,681	37,381	23,134	93,196	530,505

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 32--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY BASAL AREA CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

BASAL AREA CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
SQUARE FEET PER ACRE	*THOUSAND BOARD FEET INTERNATIONAL 1/4-INCH RULE*							
1-19	38,828	--	38,828	--	1,030	--	1,030	39,858
20-39	203,074	--	203,074	--	--	--	--	203,074
40-59	161,216	--	161,216	--	7,311	--	7,311	168,527
60-79	156,702	--	156,702	--	--	--	--	156,702
80-99	305,631	8,944	314,575	--	1,767	--	1,767	316,342
100-119	76,124	--	76,124	--	4,727	--	4,727	80,851
120-139	--	--	--	--	6,876	--	6,876	6,876
140-159	--	--	--	--	--	--	--	--
160-179	102,324	--	102,324	--	--	--	--	102,324
180-199	--	--	--	--	--	--	--	--
200 AND OVER	339,344	--	339,344	--	--	--	--	339,344
ALL CLASSES	1,383,243	8,944	1,392,187	--	21,711	--	21,711	1,413,898

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 33--NET ANNUAL GROWTH OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND CUBIC FEET*				
5.0-6.9	251	--	251	51	1/-76	-40	-65	186
7.0-8.9	-822	7	-815	1	18	-46	-27	-842
9.0-10.9	-1,361	3	-1,358	3	32	3	38	-1,320
11.0-12.9	-982	--	-982	--	4	--	4	-978
13.0-14.9	-417	--	-417	--	--	--	--	-417
15.0-16.9	-75	--	-75	--	--	--	--	-75
17.0-18.9	17	--	17	--	--	--	--	17
19.0-20.9	11	--	11	--	--	--	--	11
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	3	--	3	--	--	--	--	3
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	-3,375	10	-3,365	55	-22	-83	-50	-3,415

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 34--NET ANNUAL GROWTH OF SAWTIMBER ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT				*THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE*				
9.0-10.9	1/-7,338	19	-7,319	--	--	--	--	-7,319
11.0-12.9	-5,383	--	-5,383	--	27	--	27	-5,356
13.0-14.9	-2,272	--	-2,272	--	--	--	--	-2,272
15.0-16.9	-437	--	-437	--	--	--	--	-437
17.0-18.9	107	--	107	--	--	--	--	107
19.0-20.9	72	--	72	--	--	--	--	72
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	23	--	23	--	--	--	--	23
25.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	-15,228	19	-15,209	--	27	--	27	-15,182

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 35--ANNUAL MORTALITY OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS		HARDWOODS			TOTAL ALL SPECIES
	WHITE SPRUCE	TOTAL SOFTWOODS	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT	*THOUSAND CUBIC FEET*					
5.0-6.9	1,358	1,358	92	88	180	1,538
7.0-8.9	1,058	1,058	12	62	74	1,133
9.0-10.9	1,526	1,526	--	--	--	1,526
11.0-12.9	1,075	1,075	--	--	--	1,075
13.0-14.9	472	472	--	--	--	472
15.0-16.9	97	97	--	--	--	97
17.0 AND LARGER	--	--	--	--	--	--
ALL CLASSES	5,586	5,586	104	150	254	5,841

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 36--ANNUAL MORTALITY OF SAWTIMBER ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS		HARDWOODS			TOTAL ALL SPECIES
	WHITE SPRUCE	TOTAL SOFTWOODS	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT	*THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE*					
9.0-10.9	8,333	8,333	--	--	--	8,333
11.0-12.9	5,952	5,952	--	--	--	5,952
13.0-14.9	2,629	2,629	--	--	--	2,629
15.0-16.9	577	577	--	--	--	577
17.0 AND LARGER	--	--	--	--	--	--
ALL CLASSES	17,491	17,491	--	--	--	17,491

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 37--TOTAL GREEN WEIGHT OF ABOVEGROUND TREE BIOMASS[1/] ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, PORCUPINE UNIT, ALASKA, 1978

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
DIAMETER AT BREAST HEIGHT				*GREEN TONS*				
1.0-2.9	2,162.7	383.3	2,546.0	237.2	304.2	2,064.8	2,606.2	5,152.2
3.0-4.9	1,881.3	199.4	2,080.7	403.3	430.2	1,473.3	2,306.8	4,387.5
5.0-6.9	2,496.9	11.0	2,507.9	731.6	391.4	611.0	1,734.0	4,242.0
7.0-8.9	2,246.6	93.3	2,339.9	185.4	464.4	327.3	977.1	3,317.0
9.0-10.9	1,829.6	25.4	1,855.0	2.7	270.5	96.0	369.2	2,224.2
11.0-12.9	1,076.0	--	1,076.0	46.4	120.3	--	166.7	1,242.6
13.0-14.9	828.5	--	828.5	--	87.3	--	87.3	915.8
15.0-16.9	334.7	--	334.7	--	15.3	--	15.3	350.0
17.0-18.9	236.5	--	236.5	--	--	--	--	236.5
19.0-20.9	91.8	--	91.8	--	13.2	--	13.2	105.0
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	28.0	--	28.0	--	--	--	--	28.0
25.0-AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	13,212.6	712.4	13,925.0	1,606.6	2,096.8	4,572.4	8,275.8	22,200.8

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Bole, top, twigs, and leaves.

Metric Equivalents

1 inch = 2.54 centimeters
1 foot = 0.3048 meter
1 mile = 1.609 kilometers
1 acre = 0.4047 hectare
1 cubic foot = 0.0283 cubic meter
1 cubic foot per acre = 0.069 97 cubic meter per hectare
20 cubic feet per acre = 1.3994 cubic meters per hectare
1 square foot of basal area per acre = 0.2296 square meter per hectare
$1^{o}F = (9/5\ ^{o}C) + 32$

Acknowledgments

This timber inventory was a cooperative effort among the Division of Forestry, Alaska Department of Natural Resources; the U.S. Department of the Interior, Bureau of Land Management; Doyon Limited; and the U.S. Department of Agriculture, Forest Service, Forest Inventory and Analysis work unit of the Pacific Northwest Research Station. The Department of Natural Resources and Doyon Limited provided field personnel. The Bureau of Land Management provided financial assistance and aircraft services.

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Setzer, Theodore S. Timber resource statistics for the Porcupine inventory unit, Alaska, 1978. Resour. Bull. PNW-RB-141. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1987 32 p.

A timber resource inventory of the Porcupine inventory unit, Alaska, was conducted in 1977 and 1978. Statistics on forest area, timber volumes, and annual growth and mortality from this inventory are presented. Timberland area is estimated at 1,453 thousand acres, and net growing stock volume, mostly softwood, is 530,505 thousand cubic feet. Net annual growth of growing stock is estimated at -3,415 thousand cubic feet and annual mortality at 5,841 thousand cubic feet.

Keywords: Forest surveys, timber resources, statistics (forest), Alaska (interior), interior Alaska.

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives — as directed by Congress — to provide increasingly greater service to a growing Nation.

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Production, Prices, Employment, and Trade in Northwest Forest Industries, Third Quarter 1986

Debra D. Warren

CLEMSON UNIVERSITY
MAR 2 1987

ABSTRACT

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, third quarter 1986. Resour. Bull. PNW-RB-142. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1987. 62 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

PREFACE

This report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1975 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Inventory and Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

Phone: 503-231-2081 Commercial
503-429-2081 FTS

AUTHOR

DEBRA D. WARREN is an economics assistant at the Pacific Northwest Research Station, Forestry Sciences Laboratory, 809 N.E. 6th Avenue, Portland, Oregon 97232.

Tables Included in This Series of Reports, Frequency of Publication, and Most Recent Quarter Published

TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
Lumber and Plywood Production and Prices		
Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1975-86	Q	Current, Table 1
Lumber production in Northwest States, 1975-85	A	Second quarter 1986
Softwood lumber production in the inland region, by species, 1975-85	A	Second quarter 1986
Lumber production in the coast region, by species, 1975-85	A	Second quarter 1986
Softwood structural panel board production in the United States, by State, 1975-85	A	First quarter 1986
Softwood lumber and plywood production in British Columbia, 1975-85	A	Second quarter 1986
Wholesale prices of selected lumber products, 1975-86	Q	Current, Table 2
Wholesale prices of selected softwood plywood products, 1975-86	Q	Current, Table 3
F.o.b. mill prices for Douglas-fir lumber, coast mills, 1975-86	Q	Current, Table 4
Timber Harvest		
Washington and Oregon timber harvest by ownership, 1975-85	A	Current, Table 5
Montana and Idaho timber harvest by ownership, 1975-85	A	Current, Table 6
British Columbia timber harvest, 1975-86	A	Current, Table 7

1/ A: Published annually as data become available.
Q: Published quarterly as data become available.

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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
Alaska timber harvest on public lands, by ownership, 1975-85	A	Current, Table 8
California timber harvest by ownership, 1975-85	A	Current, Table 9
Employment in Forest Products Industries		
Employment in forest products industries in Washington and Oregon, 1975-86	Q	Current, Table 10
Employment in forest products industries in California and Alaska, 1975-86	Q	Current, Table 11
Employment in forest products industries in Montana and Idaho, 1975-86	Q	Current, Table 12
Log, Pulpwood, and Chip Exports and Imports		
Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 13
Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 14
Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 15
Softwood log exports from northern California ports, by species and destination, 1975-86	Q	Current, Table 16
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Volume and average value of softwood log exports from Alaska ports by destination, 1975-86	Q	Current, Table 19
Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1975-86	Q	Current, Table 20
Log exports from southern California ports, by species, 1975-86	Q	Current, Table 21
Volume and average value of softwood log exports to Canada from the Montana Customs District, 1975-86	Q	Current, Table 22
Log exports from British Columbia ports, by species and destination, 1975-86	Q	Current, Table 23
Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1975-86	Q	Current, Table 24
Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1975-86	Q	Current, Table 25
Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1975-86	Q	Current, Table 26
Lumber and Plywood Exports		
Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 27
Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86	Q	Current, Table 28
Softwood lumber exports from northern California ports, by species and destination, 1975-86	Q	Current, Table 29

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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
Softwood lumber exports from southern California ports, by species and destination, 1975-86	Q	Current, Table 30
Softwood lumber exports from Alaska ports, by species and destination, 1975-86	Q	Current, Table 31
Softwood lumber exports to Canada from the Montana Customs District, 1975-86	Q	Current, Table 32
Lumber exports from British Columbia ports, by species and destination, 1975-86	Q	Current, Table 33
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Plywood exports from California, 1975-86	Q	Current, Table 35
Log Prices in Western Washington and Northwestern Oregon		
Douglas-fir Peeler log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Douglas-fir Sawmill log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Western hemlock log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Noble fir log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
White fir log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Sitka spruce log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Western redcedar log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Western white pine log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986

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Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86	Q	Current, Table 37
Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86	Q	Current, Table 38
Volume of timber sold on publicly owned or managed lands in California, 1981-86	Q	Current, Table 39
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Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1975-86	Q	Current, Table 44
Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986	Q	Current, Table 45
Volume of timber sold on publicly owned or managed lands in Alaska, 1981-86	Q	Current, Table 46

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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
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Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1975-86	Q	Current, Table 48
Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86	Q	Current, Table 49
Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1975-86	Q	Current, Table 50
Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-85	A	Second quarter 1986
Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1975-85	A	Second quarter 1986
Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1977-87	A	Current, Table 51
Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1975-85	A	First quarter 1986
Allowable annual cut and uncut volume under contract on Oregon State lands, 1975-85	A	Second quarter 1986
Allowable annual cut and uncut volume under contract on Washington State lands, 1975-86	A	Second quarter 1986
Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1975-86	Q	Current, Table 52

TABLES

Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1975-86

Year	Softwood lumber production				U.S. softwood structural panel board production 3/
	Total softwood lumber	Western Washington and western Oregon 1/	California redwood region	Inland region 2/	
	Million board feet				Million sq ft, 3/8-inch basis
1975	17,773	7,134	2,194	8,445	16,050
1976	20,112	8,322	2,001	9,789	18,440
1977	21,105	8,796	2,000	10,309	19,677
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	R 18,985	R 8,329	R 1,664	R 8,992	22,446
1985	R 19,068	R 8,062	R 1,730	R 9,276	23,129
1986:					
January	1,613	704	159	750	R 2,151
February	1,586	710	133	743	R 1,926
March	1,769	782	151	836	R 2,096
Total, 1st quarter	4,968	2,196	443	2,329	R 6,173
April	1,859	782	176	901	R 2,371
May	1,845	825	172	848	R 2,236
June	1,737	684	162	891	R 2,083
Total, 2d quarter	5,441	2,291	510	2,640	R 6,690
July	1,606	572	162	872	2,187
August	1,892	748	172	972	2,119
September	2,044	873	164	1,007	2,209
Total, 3d quarter	5,542	2,193	498	2,851	6,515
October					
November					
December					
Total, 4th quarter					
1986 total					
	3d quarter 1986 change, in percent				
From:					
2d quarter 1986	1.9	-4.3	-2.4	8.0	-2.6
3d quarter 1985	13.4	13.8	11.2	13.4	8.4

1/ Includes small amounts of hardwood.

2/ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

3/ Data for 1975 are based in part on sampling. Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

R = revised.

Source: Western Wood Products Association, Portland, Oregon, and American Plywood Association, Tacoma, Washington.

Table 2--Wholesale prices of selected lumber products, 1975-86

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/12', KD, net, f.o.b. mill	Ponderosa pine boards, no. 3, 1 by 12 RL, KD, net, f.o.b. mill	Ponderosa pine, no. 2 shop, 6/4 RWRL, S2S, net, f.o.b. mill	Fir-larch std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill	Spruce-pine-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill
1975	148.00	144.00	205.00	144.00	117.00
1976	178.00	188.00	318.00	169.00	151.00
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986:					
January	197.20	261.00	495.00	179.20	151.80
February	196.25	273.75	495.00	181.00	154.50
March	215.75	297.50	495.00	220.50	193.50
Average, 1st quarter	203.07	277.42	495.00	193.57	166.60
April	227.50	277.50	507.50	228.00	200.00
May	213.60	250.00	545.00	206.80	185.00
June	200.75	250.00	593.75	192.00	170.50
Average, 2d quarter	213.95	259.17	548.75	208.93	185.17
July	205.25	247.50	626.25	192.00	171.50
August	213.20	231.00	654.00	205.60	184.20
September	232.25	245.00	655.00	221.75	185.00
Average, 3d quarter	216.90	241.17	645.08	206.45	180.23
October					
November					
December					
Average, 4th quarter					
1986 average					
	- - - - - - - - - - - - - - - - - 3d quarter 1986 change, in percent - - - - - - - - - - - - - - - - - -				
From:					
2d quarter 1986	1.4	-7.0	17.6	-1.2	-2.7
3d quarter 1985	-1.1	8.7	30.3	3.6	16.6

Source: Random Lengths Publications, Inc.

Table 3–Wholesale prices of selected softwood plywood products, 1975-86

(In dollars per thousand square feet)

Year	Sheathing, western exterior, 3/8-inch, CD, net f.o.b. mill	Sheathing, southern (west) 1/ exterior, 3/8-inch, CD, net f.o.b. mill	Sanded, western interior, 1/4-inch, AD, net f.o.b. mill
1975	99.00	95.00	146.00
1976	127.00	125.00	160.00
1977	157.00	159.00	183.00
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986:			
January	149.40	146.60	171.60
February	144.75	148.25	171.25
March	163.50	154.75	184.00
Average, 1st quarter	152.55	149.87	175.62
April	168.00	156.00	189.00
May	162.60	149.40	182.40
June	158.50	147.00	175.50
Average, 2d quarter	163.00	150.80	182.30
July	159.25	150.00	173.50
August	157.80	153.60	171.00
September	162.75	157.00	172.00
Average, 3d quarter	159.93	153.53	172.16
October			
November			
December			
Average, 4th quarter			
1986 average			
	- - - - - - - 3d quarter 1986 change, in percent - - - - - -		
From:			
2d quarter 1986	-1.9	1.8	-5.6
3d quarter 1985	4.4	3.0	-6.1

1/ Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 4--F.o.b. mill prices for Douglas-fir lumber, coast mills, 1975-86 1/

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1975	405.84	224.78	184.85	83.80	138.77	164.92	44.62
1976	486.23	276.45	229.01	109.84	173.76	216.59	49.12
1977	503.86	342.38	288.67	147.56	215.43	260.68	60.61
1978	592.86	406.35	324.74	170.03	235.28	284.49	85.69
1979	891.29	480.10	409.96	179.20	245.72	334.22	85.89
1980	929.30	505.72	365.27	150.12	172.60	270.80	85.46
1981	746.77	426.09	328.91	136.73	192.99	262.91	83.25
1982	647.96	375.11	283.02	126.45	159.43	198.34	77.91
1983	684.91	425.96	261.85	161.77	200.75	222.39	87.33
1984	688.00	407.27	249.18	136.60	189.29	222.89	71.69
1985	671.46	409.79	248.70	130.79	190.04	226.08	67.63
1986:							
1st quarter	678.43	389.02	235.38	128.57	180.71	219.64	66.47
2d quarter	727.32	409.46	239.76	141.47	196.88	236.61	72.17
3d quarter	725.52	407.24	239.77	131.22	191.26	227.41	67.75
4th quarter							
1986 average							

1/ Figures are a combination of green surfaces and dry surfaces.

Source: Western Wood Products Association.

Table 5--Washington and Oregon timber harvest by ownership, 1975-85

(In million board feet, Scribner scale)

State and year	Private	State	National Forest	Bureau of Land Management	Bureau of Indian Affairs	Other public	Total
Washington:							
1975	4,062	540	1,098	1	419	65	6,185
1976	4,414	766	1,214	3	516	55	6,968
1977	4,068	797	1,171	4	477	75	6,592
1978	4,036	955	1,261	3	460	36	6,751
1979	4,068	1,095	1,276	1/	432	98	6,969
1980	3,507	745	1,089	0	336	43	5,720
1981	3,266	468	875	1	260	20	4,890
1982	3,740	440	728	1	152	18	5,079
1983	4,025	548	1,240	8	238	28	6,087
1984	3,545	795	1,189	1	205	57	5,792
1985 2/	3,551	1,013	1,147	NA	NA	32	NA
Oregon:							
1975	3,781	160	2,661	626	123	20	7,371
1976	3,561	203	3,174	1,082	108	25	8,153
1977	3,590	228	2,913	1,021	115	11	7,876
1978	3,549	235	3,235	1,039	121	22	7,997
1979	3,209	223	3,167	956	111	29	7,694
1980	3,134	186	2,399	797	105	19	6,639
1981	2,702	216	1,981	677	95	24	5,695
1982	3,440	175	1,688	312	126	17	5,758
1983	3,374	257	2,902	789	112	31	7,464
1984	3,078	249	3,164	920	101	38	7,550
1985 2/	3,376	268	4,067	891	121	28	8,752

1/ Less than 500,000 board feet.

2/ Preliminary figures.

NA = not available.

Source: Prepared by the Pacific Northwest Research Station in cooperation with the Washington Department of Natural Resources and the Oregon Department of Forestry.

Table 6--Montana and Idaho timber harvest by ownership, 1975-85

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
1975	500.9	9.8	48.6	4.8	444.5	1,008.6
1976	569.9	17.3	44.1	4.6	470.4	1,106.1
1977	556.8	18.8	46.0	5.1	498.9	1,125.6
1978	626.7	27.5	53.6	5.1	458.6	1,171.5
1979	567.5	28.3	42.6	5.4	451.7	1,095.5
1980	466.6	26.0	38.0	5.6	408.9	944.8
1981	434.0	28.9	38.0	9.1	387.3	897.3
1982	492.4	29.5	29.8	10.6	274.5	836.8
1983	568.7	27.1	37.9	14.8	569.2	1,217.7
1984	555.6	24.9	45.0	5.3	479.3	1,110.0
1985	560.1	26.0	18.8	7.9	551.4	1,164.2
Idaho:						
1975	790.8	93.1	4.2	27.1	677.5	1,592.7
1976	700.7	193.6	4.0	20.2	1,009.5	1,927.8
1977	734.8	161.5	4.1	20.9	826.5	1,747.8
1978	767.6	218.7	11.4	17.5	841.6	1,856.8
1979	784.0	162.7	8.9	15.7	833.5	1,804.8
1980	857.6	140.8	4.5	15.9	606.0	1,624.8
1981	527.7	149.5	8.6	18.9	564.0	1,268.7
1982	642.2	82.3	10.9	17.7	450.2	1,203.3
1983	727.0	155.0	19.2	21.8	791.1	1,714.1
1984	860.8	197.5	17.5	13.3	687.8	1,776.8
1985	P 630.5	170.4	14.0	24.4	734.2	P 1,573.5

P = preliminary.

Source: respective agencies.

Table 7--British Columbia timber harvest, 1975-86

(In thousand cubic meters)

Year	Coast 1/	Interior 2/	Total
1975	21,365	28,711	50,076
1976	32,192	37,226	62,418
1977	28,558	41,412	69,970
1978	32,328	42,835	75,163
1979	30,568	45,627	76,195
1980	30,174	44,090	74,804
1981	31,243	41,341	72,584
1982	21,352	34,879	56,231
1983	26,846	44,597	71,443
1984	27,229	47,328	74,557
1985	27,722	49,146	76,868
1986 3/	16,941	28,369	45,310

1/ Comprises all of Vancouver Forest District and one-half of Prince Rupert Forest District.

2/ Comprises Cariboo, Kamloops, Nelson, and Prince George Forest Districts and one-half of Prince Rupert Forest District.

3/ As of July 31.

Source: Ministry of Forests Annual Report, Province of British Columbia (respective years).

Table 8--Alaska timber harvest on public lands, by ownership, 1975-85

(In thousand board feet, Scribner scale)

Year	State	Private	Bureau of Indian Affairs	Bureau of Land Management			National Forest			Total
				Free use	Cut	Total	Tongass	Chugach	Total	
1975	33,540	20,750	52	50	930	980	408,371	4,683	413,054	468,376
1976	41,714	15,000	1,011	844	295	1,139	462,776	9,402	472,178	531,042
1977	60,251	0	6,145	325	29	354	412,331	8,369	420,700	487,450
1978	30,301	0	4,040	1,862	149	2,011	398,701	9,873	408,574	444,926
1979	32,382	0	2,629	656	159	815	453,200	6,300	459,500	495,326
1980	47,547	70,300	17,000	484	50	534	452,121	1,565	453,686	589,067
1981	53,687	122,000	702	330	32	362	385,690	1,814	387,504	564,255
1982	35,198	209,200	2,895	340	79	419	344,857	679	345,536	593,248
1983	R 35,511	232,000	5,900	346	30	376	251,177	751	251,927	R 525,714
1984	28,044	202,000	0	0	0	0	260,977	545	261,522	491,566
1985	12,864	263,300	871	205	66	271	265,300	354	265,654	542,960

R = revised.

Source: respective agencies.

Table 9--California timber harvest by ownership, 1975-85

(In million board feet, Scribner scale)

Year	Private 1/	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest 1/	Total
1975	2,712	35	18	46	1,523	4,334
1976	2,757	40	38	6	1,890	4,731
1977	2,964	28	38	19	1,738	4,787
1978	2,783	28	47	8	1,798	4,664
1979	2,265	26	48	18	1,727	4,084
1980	1,863	20	42	8	1,508	3,441
1981	1,722	15	22	7	1,093	2,859
1982	1,501	42	8	9	937	2,497
1983	1,890	43	14	25	1,676	3,648
1984	2,093	R 34	21	7	1,559	R 3,714
1985	2,172	36	5	17	1,826	4,056

1/ May include negligible amounts from other public lands.

R = Revised.

Source: respective agencies.

Table 10--Employment in forest products industries in Washington and Oregon, 1975-86

(In thousands of persons)

Year	Washington and Oregon			Washington			Oregon		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8
1976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1
1977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8
1979	159.0	133.4	25.6	68.4	52.6	15.8	90.6	80.8	9.8
1980	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4
1981	135.6	108.1	27.5	61.6	44.4	17.2	74.0	63.7	10.3
1982	120.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7
1983	128.1	103.1	25.0	56.8	41.1	15.7	71.3	62.0	9.3
1984	131.6	106.2	25.4	57.2	41.0	16.2	74.4	65.2	9.2
1985	126.8	101.5	25.2	53.4	37.3	16.0	73.4	64.2	9.1
1986:									
January	123.4	98.0	25.4	52.1	35.9	16.2	71.3	62.1	9.2
February	122.8	97.7	25.1	51.9	35.9	16.0	70.9	61.8	9.1
March	123.4	98.2	25.2	52.0	35.9	16.1	71.4	62.3	9.1
Average, 1st quarter	123.2	98.0	25.2	52.0	35.9	16.1	71.2	62.1	9.1
April	125.3	100.3	25.0	52.6	36.6	16.0	72.7	63.7	9.0
May	126.9	101.8	25.1	53.3	37.2	16.1	73.6	64.6	9.0
June	130.8	105.0	25.8	54.5	38.1	16.4	76.3	66.9	9.4
Average, 2d quarter	127.7	102.4	25.3	53.5	37.3	16.2	74.2	65.1	9.1
July	125.8	99.4	26.4	51.9	35.0	16.9	73.9	64.4	9.5
August	129.1	103.0	26.1	53.9	37.2	16.7	75.2	65.8	9.4
September	131.1	105.0	26.1	55.0	38.3	16.7	76.1	66.7	9.4
Average, 3d quarter	128.6	102.4	26.2	53.6	36.8	16.8	75.0	65.6	9.4
October									
November									
December									
Average, 4th quarter									
1986 average									
	- - - - - - - - - - - - - - - - - 3d quarter 1986 change in employment - - - - - - - - - - - - - - - - -								
From:									
2d qtr. 1986	.9	0.0	.9	.1	-.5	.6	.8	.5	.3
3d qtr. 1985	-2.3	-2.7	.4	-1.2	-1.6	.5	-1.1	-1.0	-.1

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

Table 11--Employment in forest products industries in California and Alaska, 1975-86

(In thousands of persons)

Year	California			Alaska		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	87.3	52.8	34.5	--	2.0	1/
1976	96.6	59.9	36.7	3.4	2.3	1.1
1977	104.2	66.6	37.6	3.6	2.2	1.4
1978	107.1	69.9	37.2	2.9	1.8	1.1
1979	107.8	68.7	39.1	3.0	2.0	1.0
1980	101.3	62.6	38.7	3.4	2.3	1.1
1981	96.6	57.9	38.7	2.8	1.9	.9
1982	83.7	46.2	37.5	2.6	1.8	.8
1983	87.5	50.2	37.3	2.7	1.9	.8
1984	94.5	55.4	39.1	2.2	1.6	.6
1985	95.7	55.9	39.8	2.3	1.7	.6
1986:						
January	91.5	52.5	39.0	1.7	.9	.8
February	91.5	52.5	39.0	2.0	1.2	.8
March	91.9	53.4	38.5	2.3	1.5	.8
Average, 1st quarter	91.6	52.8	38.8	2.0	1.2	.8
April	95.5	56.9	38.6	2.6	1.8	.8
May	97.9	59.2	38.7	2.8	2.0	.8
June	100.4	61.4	39.0	3.1	2.3	.8
Average, 2d quarter	97.9	59.2	38.8	2.8	2.0	.8
July						
August						
September						
Average, 3d quarter						
October						
November						
December						
Average, 4th quarter						
1986 average						
	- - - - - - - - - - - - - 2d quarter 1986 change in employment - - - - - - - - - - - - -					
From:						
1st quarter 1986	6.3	6.4	0.0	.8	.8	0.0
2d quarter 1985	1.6	2.8	-1.1	.2	.1	.1

1/ Withheld to avoid disclosure.

Source: State employment agencies. Data are based on place of residence.

Table 12--Employment in forest products industries in Montana and Idaho, 1975-86

(In thousands of persons)

Year	Montana			Idaho	
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	8.1	1/	16.8	15.7	1.1
1976	9.1	1/	18.6	17.4	1.2
1977	9.3	1/	19.0	17.8	1.2
1978	10.7	1/	20.1	18.8	1.3
1979	11.1	1/	19.9	18.5	1.4
1980	8.7	1/	17.5	16.1	1.4
1981	8.8	1/	16.6	15.1	1.5
1982	6.8	1/	13.6	12.1	1.5
1983	8.0	1/	15.7	14.0	1.7
1984	8.3	1/	15.6	13.9	1.7
1985	8.4	1/	15.4	13.6	1.8
1986:					
January	7.7	1/	15.1	13.3	1.8
February	7.6	1/	14.6	12.8	1.8
March	7.8	1/	13.2	11.4	1.8
Average, 1st quarter	7.7	1/	14.3	12.5	1.8
April	7.8	1/	13.4	11.6	1.8
May	7.8	1/	14.0	12.2	1.8
June	8.2	1/	15.3	13.5	1.8
Average, 2d quarter	7.9	1/	14.2	12.4	1.8
July	8.3	1/	16.0	14.2	1.8
August	8.4	1/	16.1	14.2	1.9
September	8.2	1/	15.8	14.0	1.8
Average, 3d quarter	8.3	1/	16.0	14.1	1.8
October					
November					
December					
Average, 4th quarter					
1986 average					
	- - - - - - - - - - - 3d quarter 1986 change in employment - - - - - - - - - - -				
From:					
2d quarter 1986	.4	1/	1.8	1.7	0.0
3d quarter 1985	-.5	1/	-.8	-.9	0.0

1/ Withheld to avoid disclosing figures for individual companies.

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Data are based on place of residence.

Table 13--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	2,225,487	765,840	24,361	1,435,286	1,427,387	437,290	990,097	798,100	328,550	24,361	445,189
1976	2,737,074	945,649	26,576	1,764,849	1,792,944	527,889	1,265,055	944,130	417,760	26,576	499,794
1977	2,555,615	966,763	16,721	1,572,131	1,674,860	556,419	1,118,441	880,755	410,344	16,721	453,690
1978	2,847,394	1,139,267	24,493	1,683,634	1,915,979	619,500	1,296,479	931,415	519,767	24,493	387,155
1979	3,233,652	1,309,179	22,693	1,901,780	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,817	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,882	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985:											
1st qtr.	696,431	416,940	2,763	276,728	423,305	200,537	222,768	273,126	216,403	2,763	53,960
2d qtr.	842,518	493,809	2,190	346,519	537,205	239,213	297,992	305,313	254,596	2,190	48,527
3d qtr.	774,910	466,628	3,135	305,147	487,057	232,399	254,658	287,853	234,229	3,135	50,489
4th qtr.	690,266	372,306	4,279	313,681	431,303	172,132	259,171	258,963	200,174	4,279	54,510
1985 total	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986:											
1st qtr.	710,375	435,807	2,511	272,057	458,181	228,426	229,755	252,194	207,381	2,511	42,302
2d qtr.	677,594	387,860	246	289,488	431,667	189,356	242,311	245,927	198,504	246	47,177
3d qtr.	653,000	375,931	5,575	268,494	395,018	164,962	230,256	254,982	211,169	5,575	38,238
4th qtr.											
1986 total											
					To Japan						
1975	2,014,244	732,264	24,361	1,257,619	1,255,817	410,721	845,096	758,427	321,543	24,361	412,523
1976	2,547,037	901,911	24,573	1,620,553	1,623,064	491,451	1,131,613	923,973	410,460	24,573	488,940
1977	2,348,325	933,813	16,721	1,397,791	1,496,627	526,255	970,372	851,698	407,558	16,721	427,419
1978	2,521,885	1,103,562	22,814	1,395,509	1,630,247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1,279,177	20,611	1,659,938	1,998,315	705,921	1,292,394	961,411	573,256	20,611	367,544
1980	2,344,322	1,175,407	12,300	1,156,615	1,488,494	602,605	885,889	855,828	572,802	12,300	270,726
1981	1,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	1,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985:											
1st qtr.	436,835	298,301	2,758	135,776	226,796	128,395	98,401	210,039	169,906	2,758	37,375
2d qtr.	384,241	246,379	1,974	135,888	209,518	103,268	106,250	174,723	143,111	1,974	29,638
3d qtr.	394,127	236,384	2,969	154,774	235,771	112,452	123,319	158,356	123,932	2,969	31,455
4th qtr.	401,858	233,742	4,245	163,871	244,338	110,528	133,810	157,520	123,214	4,245	30,061
1985 total	1,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986:											
1st qtr.	408,373	263,123	2,511	142,739	235,198	121,243	113,955	173,175	141,880	2,511	28,784
2d qtr.	393,424	277,247	230	115,947	212,686	119,539	93,147	180,738	157,708	230	22,800
3d qtr.	459,579	331,684	5,575	122,320	235,305	138,409	96,896	224,274	193,275	5,575	25,424
4th qtr.											
1986 total											

Table 13--Softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	58,506	16,793	--	41,713	58,506	16,793	41,713	--	--	--	--
1976	48,289	14,803	--	33,486	48,289	14,803	33,486	--	--	--	--
1977	15,698	9,531	--	6,167	15,698	9,531	6,167	--	--	--	--
1978	12,638	9,361	--	3,277	12,638	9,361	3,277	--	--	--	--
1979	24,124	7,737	--	16,387	24,124	7,737	16,387	--	--	--	--
1980	985	395	--	590	985	395	590	--	--	--	--
1981	1,332	392	--	940	1,332	392	940	--	--	--	--
1982	4,757	635	--	4,122	4,757	635	4,122	--	--	--	--
1983	5,216	397	--	4,819	5,216	397	4,819	--	--	--	--
1984	10,461	2,406	--	8,055	10,461	2,406	8,055	--	--	--	--
1985:											
1st qtr.	5,244	15	--	5,229	5,244	15	5,229	--	--	--	--
2d qtr.	8,731	16	--	8,715	8,731	16	8,715	--	--	--	--
3d qtr.	9,024	5	--	9,019	9,024	5	9,019	--	--	--	--
4th qtr.	9,803	--	--	9,803	9,803	--	9,803	--	--	--	--
1985 total	32,802	36	--	32,766	32,802	36	32,766	--	--	--	--
1986:											
1st qtr.	2,065	--	--	2,065	2,065	--	2,065	--	--	--	--
2d qtr.	3,583	230	--	3,353	3,583	230	3,353	--	--	--	--
3d qtr.	2,907	--	--	2,907	2,907	--	2,907	--	--	--	--
4th qtr.											
1986 total											
To South Korea											
1975	79,022	13,946	--	65,076	42,100	9,100	33,000	36,922	4,846	--	32,076
1976	130,069	26,454	--	103,615	117,007	21,068	95,939	13,062	5,386	--	7,676
1977	187,967	21,201	--	166,766	162,252	20,418	141,834	25,715	783	--	24,932
1978	307,865	24,844	--	283,021	271,887	20,426	251,461	35,978	4,418	--	31,560
1979	245,314	20,342	--	224,972	227,072	18,653	208,419	18,242	1,689	--	16,553
1980	191,387	11,796	--	179,591	163,988	9,549	154,439	27,399	2,247	--	25,152
1981	147,833	10,919	--	136,914	132,675	9,333	123,342	15,158	1,586	--	13,572
1982	254,736	27,809	--	226,927	220,126	23,841	196,285	34,610	3,968	--	30,642
1983	285,638	19,388	--	266,250	259,368	16,406	242,962	26,270	2,982	--	23,288
1984	264,249	6,007	7	258,235	236,609	4,790	231,819	27,640	1,217	7	26,416
1985:											
1st qtr.	90,382	2,604	--	87,778	78,146	2,152	75,994	12,236	452	--	11,784
2d qtr.	79,235	2,168	--	77,067	72,812	1,168	71,644	6,423	1,000	--	5,423
3d qtr.	63,740	3,707	--	60,033	56,445	2,763	53,682	7,295	944	--	6,351
4th qtr.	64,272	2,267	34	61,971	56,262	817	55,445	8,010	1,450	34	6,526
1985 total	297,629	10,746	34	286,849	263,665	6,900	256,765	33,964	3,846	34	30,084
1986:											
1st qtr.	67,224	1,683	--	65,541	58,211	1,388	56,823	9,013	295	--	8,718
2d qtr.	99,713	3,895	16	95,802	87,797	3,513	84,284	11,916	382	16	11,518
3d qtr.	92,889	3,054	--	89,835	88,489	3,054	85,435	4,400	--	--	4,400
4th qtr.											
1986 total											
To Mainland China											
1980	87,785	69,901	--	17,884	43,271	31,884	11,387	44,514	38,017	--	6,497
1981	219,237	149,592	--	69,645	170,779	111,058	59,721	48,458	38,534	--	9,924
1982	533,102	390,047	--	143,055	358,762	244,198	114,564	174,340	145,849	--	28,491
1983	699,240	497,020	--	202,220	535,418	347,576	187,842	163,822	149,444	--	14,378
1984	845,188	624,676	--	220,512	589,661	402,321	187,340	255,527	222,355	--	33,172
1985:											
1st qtr.	159,172	115,696	--	43,476	108,347	69,651	38,696	50,825	46,045	--	4,780
2d qtr.	363,834	243,182	--	120,652	241,909	134,723	107,186	121,925	108,459	--	13,466
3d qtr.	305,057	224,098	--	80,959	183,044	114,768	68,276	122,013	109,330	--	12,683
4th qtr.	201,496	133,297	--	68,199	111,070	60,787	50,283	90,426	72,510	--	17,916
1985 total	1,029,559	716,273	--	313,286	644,370	379,929	264,441	385,189	336,344	--	48,845
1986:											
1st qtr.	232,555	170,959	--	61,596	162,561	105,765	56,796	69,994	65,194	--	4,800
2d qtr.	172,511	101,072	--	71,439	123,487	64,907	58,580	49,024	36,165	--	12,859
3d qtr.	92,312	39,309	--	53,003	66,088	21,499	44,589	26,224	17,810	--	8,414
4th qtr.											
1986 total											

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 14--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	603,854	202,337	16,758	384,759	376,706	111,919	264,787	227,148	90,418	16,758	119,972
1976	775,113	266,523	20,086	488,504	490,246	141,989	348,257	284,867	124,534	20,087	140,247
1977	826,698	311,269	17,049	498,380	526,412	171,541	354,871	300,286	139,728	17,049	143,509
1978	992,207	413,645	24,923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128,126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,858	634,898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985:											
1st qtr.	228,180	142,835	3,369	81,976	130,707	65,668	65,039	97,473	77,166	3,369	16,937
2d qtr.	272,660	166,379	2,346	103,936	168,661	79,158	89,504	103,999	87,221	2,346	14,433
3d qtr.	247,317	153,208	4,004	90,105	150,219	74,826	75,393	97,099	78,383	4,004	14,712
4th qtr.	224,311	124,175	4,447	95,689	137,387	58,204	79,183	86,924	65,971	4,447	16,506
1985 total	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62,588
1986:											
1st qtr.	235,304	148,923	2,679	83,702	147,430	76,036	71,394	87,874	72,887	2,679	12,308
2d qtr.	222,438	134,584	140	87,714	136,622	62,967	73,654	85,816	71,617	140	14,059
3d qtr.	219,187	132,666	3,830	82,691	126,226	55,045	71,181	92,961	77,621	3,830	11,510
4th qtr.											
1986 total											
					To Japan						
1975	560,754	195,469	16,758	348,527	341,885	107,149	234,736	218,869	88,320	16,758	113,791
1976	734,412	256,673	17,918	459,821	457,248	134,894	322,354	277,164	121,779	17,918	137,467
1977	776,630	303,248	17,049	456,333	484,006	164,626	319,380	292,624	138,622	17,049	136,953
1978	908,627	404,134	22,763	481,730	566,494	294,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910,338	323,034	587,304	477,264	289,126	22,271	165,867
1980	1,190,875	593,484	16,596	580,795	750,369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451,171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302,800	148,370	154,430	232,375	176,114	13,946	42,315
1985:											
1st qtr.	152,073	107,131	3,365	41,577	73,661	43,876	29,785	78,412	63,255	3,365	11,792
2d qtr.	134,135	88,147	2,241	43,747	71,032	36,257	34,774	63,103	51,890	2,241	8,973
3d qtr.	133,622	82,429	3,927	47,265	75,896	37,950	37,945	57,727	44,479	3,927	9,320
4th qtr.	140,845	82,327	4,432	54,086	83,933	39,513	44,421	56,912	42,814	4,432	9,665
1985 total	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986:											
1st qtr.	147,019	96,921	2,679	47,418	80,922	42,757	38,165	66,097	54,164	2,679	9,254
2d qtr.	139,622	101,416	117	38,088	72,339	41,630	30,709	67,283	59,786	117	7,380
3d qtr.	165,358	119,326	3,830	42,202	80,549	46,617	33,931	84,810	72,708	3,830	8,271
4th qtr.											
1986 total											

Table 14--Value of softwood log exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	8,313	2,937	--	5,376	8,313	2,937	5,376	--	--	--	--
1976	7,908	2,733	--	5,175	7,908	2,733	5,175	--	--	--	--
1977	3,545	2,154	--	1,391	3,545	2,154	1,391	--	--	--	--
1978	2,933	2,129	--	804	2,933	2,129	804	--	--	--	--
1979	7,223	2,435	--	4,788	7,223	2,435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	--	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1,046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	--
1985:											
1st qtr.	692	7	--	685	692	7	685	--	--	--	--
2d qtr.	1,646	8	--	1,638	1,646	8	1,638	--	--	--	--
3d qtr.	2,308	1	--	2,307	2,308	1	2,307	--	--	--	--
4th qtr.	1,745	--	--	1,745	1,745	--	1,745	--	--	--	--
1985 total	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986:											
1st qtr.	219	--	--	219	219	--	219	--	--	--	--
2d qtr.	1,036	32	--	1,005	1,036	32	1,005	--	--	--	--
3d qtr.	431	--	--	431	431	--	431	--	--	--	--
4th qtr.											
1986 total											
To South Korea											
1975	14,757	2,688	--	12,069	7,912	1,648	6,264	6,845	1,040	--	5,805
1976	27,546	5,664	--	21,882	24,400	4,350	20,050	3,146	1,315	--	1,831
1977	44,949	4,811	--	40,138	38,738	4,672	34,066	6,211	139	--	6,072
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8,865	1,059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8,730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8,022
1985:											
1st qtr.	25,682	700	--	24,982	21,816	584	21,232	3,866	116	--	3,750
2d qtr.	22,962	607	--	22,355	20,865	287	20,578	2,097	320	--	1,777
3d qtr.	18,790	936	--	17,854	16,516	677	15,840	2,273	259	--	2,014
4th qtr.	18,178	560	15	17,603	15,881	148	15,733	2,297	413	15	1,869
1985 total	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1,108	15	9,410
1986:											
1st qtr.	19,130	504	--	18,626	16,780	427	16,352	2,351	77	--	2,274
2d qtr.	28,828	1,049	23	27,756	25,389	933	24,455	3,439	115	23	3,301
3d qtr.	25,331	1,056	--	24,274	24,253	1,056	23,196	1,078	--	--	1,078
4th qtr.											
1986 total											
To Mainland China											
1980	41,433	34,285	--	7,148	21,326	16,692	4,634	20,107	17,593	--	2,514
1981	88,000	63,977	--	24,023	67,639	47,363	20,276	20,361	16,614	--	3,747
1982	207,078	158,699	--	48,379	138,219	99,194	39,025	68,859	59,505	--	9,354
1983	220,458	161,616	--	58,842	164,982	110,449	54,533	55,476	51,167	--	4,309
1984	264,969	199,224	--	65,745	184,041	128,413	55,628	80,928	70,811	--	10,116
1985:											
1st qtr.	48,486	34,930	--	13,556	33,307	21,135	12,171	15,180	13,795	--	1,385
2d qtr.	111,982	76,928	--	35,054	73,947	42,576	31,371	38,035	34,352	--	3,683
3d qtr.	91,691	69,113	--	22,578	54,682	35,481	19,200	37,010	33,632	--	3,378
4th qtr.	60,018	40,373	--	19,645	33,228	18,543	14,685	26,790	21,830	--	4,960
1985 total	312,178	221,344	--	90,834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986:											
1st qtr.	68,881	51,472	--	17,409	49,465	32,836	16,629	19,416	18,636	--	780
2d qtr.	50,708	30,502	--	20,207	36,862	20,033	16,828	13,847	10,468	--	3,379
3d qtr.	27,056	11,712	--	15,344	20,023	6,840	13,183	7,033	4,872	--	2,161
4th qtr.											
1986 total											

Note: Individual columns may not add to totals because of rounding.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 15--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	271.34	264.20	687.90	268.07	263.91	255.94	267.43	284.61	275.20	687.90	269.49
1976	283.19	281.84	755.83	276.80	273.43	268.98	275.29	301.73	298.10	755.83	280.61
1977	323.48	321.97	1,019.62	317.01	314.30	308.29	317.26	340.94	340.51	1,019.62	316.32
1978	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985:											
1st qtr.	327.64	342.58	1,219.31	296.24	308.78	327.46	291.96	356.88	356.59	1,219.31	313.89
2d qtr.	323.63	336.93	1,071.05	299.94	313.96	330.91	300.36	340.63	342.58	1,071.05	297.41
3d qtr.	319.16	328.33	1,277.07	295.29	308.42	321.97	296.06	337.32	334.64	1,277.06	291.39
4th qtr.	324.96	333.53	1,039.35	305.05	318.54	338.14	305.52	335.66	329.57	1,039.35	302.80
1985 average	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986:											
1st qtr.	331.24	341.72	1,067.03	307.66	321.77	332.87	310.74	348.44	351.46	1,067.03	290.95
2d qtr.	328.28	346.99	568.77	303.00	316.50	332.53	303.97	348.95	360.78	568.77	298.01
3d qtr.	335.66	352.90	687.05	307.98	319.54	334.09	309.14	364.58	367.58	687.05	301.01
4th qtr.											
1986 average											
					To Japan						
1975	278.39	266.94	687.90	277.13	272.24	260.88	277.76	288.58	274.68	687.90	275.84
1976	288.34	284.59	729.17	283.74	281.72	274.48	284.86	299.97	296.69	729.17	281.15
1977	330.72	324.74	1,019.62	326.47	323.40	312.83	329.13	343.58	340.13	1,019.62	320.42
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985:											
1st qtr.	348.13	359.14	1,220.07	306.22	324.79	341.73	302.69	373.32	372.30	1,220.07	315.51
2d qtr.	349.09	357.77	1,135.01	321.93	339.02	351.10	327.29	361.16	362.59	1,135.01	302.74
3d qtr.	339.03	348.71	1,322.82	305.38	321.90	337.48	307.70	364.54	358.90	1,322.82	296.30
4th qtr.	350.48	352.21	1,044.14	330.05	343.51	357.49	331.97	361.30	347.48	1,044.14	321.52
1985 average	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986:											
1st qtr.	360.01	368.35	1,067.03	332.20	344.06	352.66	334.91	381.68	381.76	1,067.03	321.49
2d qtr.	354.89	365.80	508.91	328.50	340.12	348.25	329.68	372.27	379.10	508.91	323.67
3d qtr.	359.80	359.76	687.05	345.01	342.32	336.81	350.18	378.15	376.19	687.05	325.33
4th qtr.											
1986 average											

Table 15--Average value of softwood logs exported from Washington and Oregon ports, by origin, species, and destination, 1975-86 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	142.09	174.89	--	128.88	142.09	174.89	128.88	--	--	--	--
1976	163.76	184.62	--	154.54	163.76	184.62	154.54	--	--	--	--
1977	225.82	226.00	--	225.56	225.82	226.00	225.56	--	--	--	--
1978	232.08	227.43	-	245.35	232.08	227.43	245.35	--	--	--	--
1979	299.41	314.72	--	292.78	299.41	314.72	292.18	--	--	--	--
1980	327.92	336.71	--	322.03	327.92	336.71	322.03	--	--	--	--
1981	347.60	441.33	--	308.51	347.60	441.33	308.51	--	--	--	--
1982	224.51	215.75	--	225.86	224.51	215.75	225.86	--	--	--	--
1983	200.35	138.54	--	205.44	200.35	137.46	205.44	--	--	--	--
1984	198.93	228.18	--	190.07	198.93	228.18	190.07	--	--	--	--
1985:											
1st qtr.	131.92	484.07	--	130.91	131.92	484.07	130.91	--	--	--	--
2d qtr.	188.47	500.00	--	187.90	188.47	500.00	187.90	--	--	--	--
3d qtr.	255.79	235.60	--	255.80	255.79	235.60	255.80	--	--	--	--
4th qtr.	177.98	--	--	177.98	177.98	--	177.98	--	--	--	--
1985 average	194.82	456.64	--	194.53	194.82	456.64	194.53	--	--	--	--
1986:											
1st qtr.	106.04	--	--	106.04	106.04	--	106.04	--	--	--	--
2d qtr.	289.18	137.14	--	299.61	289.18	137.14	299.61	--	--	--	--
3d qtr.	148.25	--	--	148.25	148.25	--	148.25	--	--	--	--
4th qtr.											
1986 average											
To South Korea											
1975	186.74	192.74	--	185.46	187.93	181.10	189.82	185.39	214.61	--	180.98
1976	211.78	214.11	--	211.19	208.53	206.47	208.93	240.77	244.77	--	238.54
1977	239.13	226.92	--	240.68	238.75	228.82	240.18	241.53	177.52	--	243.54
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	--	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	--	351.48
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	--	347.09
1981	321.18	368.81	--	317.38	324.46	376.41	320.53	292.45	324.29	--	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	--	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	--	309.95
1984	292.67	286.83	281.14	292.81	291.41	283.51	291.32	303.51	299.92	281.14	303.68
1985:											
1st qtr.	284.15	268.82	--	284.60	279.17	271.23	279.39	315.96	257.38	--	318.20
2d qtr.	289.79	279.90	--	290.07	286.55	245.57	287.22	326.50	320.00	--	327.70
3d qtr.	294.79	252.45	--	297.40	292.61	244.96	295.06	311.64	274.36	--	317.19
4th qtr.	282.83	247.18	441.18	284.05	282.27	180.97	283.77	286.73	284.48	441.18	286.43
1985 average	287.64	260.84	441.18	288.63	284.75	245.68	285.80	310.13	288.05	441.18	312.81
1986:											
1st qtr.	284.58	299.44	--	284.19	288.26	307.82	287.78	260.81	260.00	--	260.84
2d qtr.	289.11	269.23	1,429.31	289.73	289.17	265.67	290.15	288.62	301.96	1,429.31	286.59
3d qtr.	272.70	345.92	--	270.21	274.08	345.92	271.51	245.00	--	--	245.00
4th qtr.											
1986 average											
To Mainland China											
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	--	386.95
1981	401.39	427.68	--	344.94	396.06	426.47	339.51	420.18	431.15	--	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	--	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	--	298.15	312.11	319.18	296.94	316.71	318.46	--	304.96
1985:											
1st qtr.	304.62	301.91	--	311.81	307.41	303.44	314.54	298.66	299.60	--	289.68
2d qtr.	307.78	316.34	--	290.54	305.68	316.02	292.68	311.95	316.73	--	273.50
3d qtr.	300.57	308.41	--	278.88	298.74	309.16	281.22	303.33	307.62	--	266.32
4th qtr.	297.86	302.88	--	288.06	299.16	305.05	292.04	296.27	301.06	--	276.87
1985 average	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	--	274.46
1986:											
1st qtr.	296.19	301.08	--	282.64	304.29	310.46	292.79	277.40	285.86	--	162.50
2d qtr.	293.94	301.78	--	282.85	298.51	308.65	287.27	282.45	289.46	--	262.74
3d qtr.	293.09	297.95	--	289.49	302.98	318.15	295.66	268.19	273.56	--	256.83
4th qtr.											
1986 average											

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 16--Softwood log exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
		To all countries		
1975	86,943	52,547	2,483	31,913
1976	109,812	73,924	2,508	33,380
1977	70,902	38,302	2,331	30,269
1978	72,650	49,024	2,880	20,746
1979	65,492	37,551	1,611	26,330
1980	31,672	7,287	653	23,732
1981	25,586	5,890	1,381	18,315
1982	19,507	12,609	6	6,892
1983	33,519	3,643	300	29,576
1984	47,115	16,339	1,764	29,012
1985:				
1st quarter	13,269	4,371	362	8,536
2d quarter	15,244	7,400	--	7,844
3d quarter	23,451	16,596	--	6,855
4th quarter	10,616	5,600	910	4,106
1985 total	62,580	33,967	1,272	27,341
1986:				
1st quarter	10,569	3,900	--	6,669
2d quarter	5,615	217	--	5,398
3d quarter	7,015	--	354	6,661
4th quarter				
1986 total				
		To Japan		
1975	78,813	48,188	2,483	28,142
1976	96,485	69,395	2,853	24,237
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979	57,938	37,411	1,611	18,916
1980	27,180	7,055	653	19,472
1981	20,708	1,024	1,381	18,303
1982	9,022	3,270	6	5,746
1983	24,308	3,626	300	20,382
1984	26,251	2,954	1,764	21,533
1985:				
1st quarter	8,954	56	362	8,536
2d quarter	542	--	--	542
3d quarter	10,746	3,900	--	6,846
4th quarter	5,001	--	910	4,091
1985 total	25,243	3,956	1,272	20,015
1986:				
1st quarter	6,653	--	--	6,653
2d quarter	2,410	217	--	2,193
3d quarter	7,015	--	354	6,661
4th quarter				
1986 total				
		To Mainland China		
1982	9,292	9,282	--	10
1983	8,302	--	--	8,302
1984	13,568	8,875	--	4,693
1985:				
1st quarter	4,315	4,315	--	--
2d quarter	14,694	7,400	--	7,294
3d quarter	12,696	12,696	--	--
4th quarter	5,600	5,600	--	--
1985 total	37,305	30,011	--	7,294
1986:				
1st quarter	3,900	3,900	--	--
2d quarter	3,197	--	--	3,197
3d quarter	--	--	--	--
4th quarter				
1986 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 17--Softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In million board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	366.8	32.2	230.0	261.3	48.6	284.7	469.2	--	32.9	1,725.7
1976	502.1	30.5	277.2	397.4	7.5	324.5	623.7	0	28.5	2,191.4
1977	402.1	42.1	237.7	328.2	68.7	304.6	607.6	--	12.0	2,003.0
1978	512.2	41.1	321.8	325.8	87.1	387.2	559.7	--	7.0	2,241.0
1979	648.7	50.9	332.8	366.1	101.0	505.0	601.7	--	9.9	2,616.1
1980	498.2	38.0	287.3	387.0	80.2	295.1	497.1	.1	3.1	2,086.1
1981	414.3	16.7	208.4	215.9	47.3	168.0	446.2	.1	14.9	1,531.8
1982	552.3	11.0	310.3	374.5	62.6	152.6	494.1	--	13.9	1,971.3
1983	658.1	6.7	292.5	318.3	40.4	200.6	540.7	--	.6	2,057.9
1984	633.1	22.1	282.0	352.6	64.4	269.5	628.2	.8	2.0	2,255.5
1985:										
1st quarter	146.7	6.0	72.2	109.1	28.5	79.0	90.0	0	.9	532.4
2d quarter	234.1	13.3	65.9	111.2	4.3	107.6	110.9	0	1.2	648.4
3d quarter	163.4	7.6	78.3	74.7	1.5	76.3	159.1	0	.8	560.7
4th quarter	140.4	17.4	88.0	58.1	0	71.4	112.5	0	1.6	489.4
1985 total	684.6	44.3	304.4	352.0	34.2	334.3	472.5	0	4.4	2,230.8
1986:										
1st quarter	170.0	5.2	62.8	38.7	2.0	94.7	122.4	0	1.1	496.9
2d quarter	125.8	6.5	71.3	78.2	0	89.7	135.5	0	2.8	509.9
3d quarter	86.6	7.6	95.6	76.4	0	86.6	109.7	0	8.9	471.5
4th quarter										
1986 total										

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	245.7	134.1	137.5	44.5	561.8	66.6	19.9	0	1.4	87.9
1976	273.3	144.6	99.5	28.0	545.4	83.7	26.1	0	--	109.8
1977	210.2	120.1	207.0	15.4	552.7	39.2	25.5	0	6.3	71.0
1978	168.4	145.1	277.0	15.0	605.5	46.1	18.4	--	8.2	72.7
1979	150.1	128.2	322.0	17.2	617.5	43.0	6.0	0	16.5	65.6
1980	134.7	135.2	275.8	0	545.7	14.9	3.9	.5	12.3	31.6
1981	73.3	113.8	268.2	0	455.3	6.6	13.3	0	5.6	25.5
1982	93.3	191.1	309.5	2.3	596.2	16.0	.7	0	1.2	17.9
1983	69.0	153.5	309.9	1.1	533.5	17.1	16.3	0	.1	33.5
1984	66.5	233.4	272.9	7.6	580.5	27.4	16.5	0	3.2	47.1
1985:										
1st quarter	8.4	63.9	91.8	0	164.1	6.8	5.5	0	1.0	13.3
2d quarter	14.6	79.1	100.4	0	194.1	15.2	0	0	.1	15.2
3d quarter	28.1	81.9	92.1	12.2	214.2	18.2	5.2	0	0	23.5
4th quarter	12.6	97.7	77.2	13.4	200.9	6.5	4.1	0	0	10.6
1985 total	63.6	322.9	361.5	25.6	773.3	46.7	14.8	0	1.1	62.6
1986:										
1st quarter	11.9	66.7	111.7	23.2	213.5	5.7	4.9	0	0	10.6
2d quarter	9.7	60.3	91.0	6.8	167.7	1.8	3.8	0	0	5.6
3d quarter	8.0	60.1	105.2	5.3	178.5	1.9	5.2	0	0	7.0
4th quarter										
1986 total										

Note: Individual columns may not add to totals because of rounding.

1/ State totals as presented here for Washington and Oregon do not agree with those in table 13 because customs districts as used in table 13 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 18--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In dollars per thousand board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	256.17	297.84	273.29	280.90	273.90	253.46	266.63	-	279.01	266.30
1976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	0	252.97	277.26
1977	311.97	296.28	309.82	336.01	331.68	294.59	327.76	--	263.80	317.86
1978	332.92	295.77	334.87	379.57	347.93	319.97	340.91	--	344.67	339.68
1979	452.52	376.18	455.44	518.19	499.12	424.46	428.19	--	492.38	451.64
1980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.76
1981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.06	428.32
1982	354.51	374.42	366.86	420.02	358.61	362.47	429.08	--	372.14	388.57
1983	314.28	364.25	345.30	361.03	405.78	336.07	344.01	442.46	623.79	337.90
1984	311.83	293.83	324.35	353.46	326.45	329.95	270.28	343.27	303.70	310.74
1985:										
1st quarter	296.38	289.69	293.11	351.97	305.04	318.05	335.18	0	373.64	317.63
2d quarter	303.59	260.44	319.83	350.26	305.35	307.40	343.83	0	496.88	320.18
3d quarter	296.12	309.43	318.51	325.29	310.65	289.15	325.47	0	263.43	310.64
4th quarter	299.75	258.21	333.61	335.91	0	295.21	352.89	0	418.18	320.60
1985 average	299.48	271.99	317.14	343.20	305.33	303.15	338.16	0	401.64	317.27
1986:										
1st quarter	303.47	228.39	343.92	358.68	307.70	320.21	339.46	0	525.90	343.30
2d quarter	289.84	277.51	327.56	353.31	0	318.03	336.15	458.60	304.74	322.14
3d quarter	291.76	247.02	327.21	361.97	0	308.49	348.19	0	355.06	326.42
4th quarter										
1986 average										

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.62
1976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0	--	312.31
1977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	0	338.45	335.14
1978	325.32	512.44	366.77	330.78	389.23	353.99	362.18	--	372.07	358.09
1979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.65
1980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
1981	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
1982	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
1983	302.95	411.99	362.85	320.00	369.15	315.41	370.37	0	1,028.53	345.23
1984	296.11	367.28	350.19	300.95	350.22	366.75	358.63	0	447.55	361.38
1985:										
1st quarter	295.94	383.22	349.92	0	360.14	240.49	351.22	0	451.48	302.21
2d quarter	284.96	349.50	331.06	0	335.12	287.99	0	0	1,072.94	290.57
3d quarter	280.52	368.22	340.23	311.35	341.46	285.70	380.13	0	1,053.33	306.99
4th quarter	316.57	345.83	333.05	293.47	335.59	300.19	280.99	0	680.00	293.33
1985 average	290.70	359.82	338.61	301.97	342.31	281.93	342.02	0	489.64	299.66
1986:										
1st quarter	281.93	386.01	345.84	269.80	346.58	258.19	344.24	0	666.67	298.86
2d quarter	295.05	340.10	361.69	283.33	346.92	263.68	349.03	0	960.93	326.60
3d quarter	268.58	376.44	371.11	282.58	365.70	357.91	332.37	0	0	339.13
4th quarter										
1986 average										

1/ State averages as presented here for Washington and Oregon do not agree with those in table 15 because customs districts as used in table 15 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 19--Volume and average value of softwood log exports from Alaska ports by destination, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
	To all countries	
1975	29,011	307.97
1976	26,197	224.59
1977	52,377	263.54
1978	68,025	320.45
1979	128,597	470.97
1980	160,523	532.56
1981	149,187	480.54
1982	241,123	478.49
1983	262,219	425.55
1984	231,544	396.66
1985:		
1st quarter	19,076	319.59
2d quarter	81,716	414.26
3d quarter	101,603	386.06
4th quarter	96,795	378.60
1985 total and average value	299,190	387.11
1986:		
1st quarter	30,639	393.87
2d quarter	103,089	422.37
3d quarter	109,752	416.20
4th quarter		
1986 total and average value		
	To Japan	
1975	24,311	352.29
1976	20,741	253.18
1977	46,897	278.99
1978	57,653	343.49
1979	120,753	475.21
1980	156,275	533.22
1981	141,209	491.44
1982	219,700	486.71
1983	211,705	452.60
1984	202,238	415.51
1985:		
1st quarter	11,019	394.39
2d quarter	72,743	440.56
3d quarter	85,750	408.46
4th quarter	80,708	406.63
1985 total and average value	250,220	416.58
1986:		
1st quarter	26,204	436.13
2d quarter	92,977	446.14
3d quarter	91,160	446.89
4th quarter		
1986 total and average value		
	To Mainland China	
1981	3,205	377.57
1982	0	--
1983	15,591	305.16
1984	0	--
1985:		
1st quarter	2,113	352.67
2d quarter	0	--
3d quarter	0	--
4th quarter	0	--
1985 total and average value	2,113	352.67
1986:		
1st quarter	0	--
2d quarter	0	--
3d quarter	0	--
4th quarter		
1986 total and average value		

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 20--Volume and value of hardwood log exports from ports of Washington, Oregon, Alaska, and northern California, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars)

Year and quarter	Washington Customs District		Oregon Customs District		Alaska Customs District		San Francisco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
				To all countries				
1975	1,599	637,455	73	103,519	0	--	3,911	780,853
1976	3,750	1,646,972	236	136,188	0	--	659	1,239,777
1977	2,735	2,117,386	189	87,839	0	--	1,396	2,751,996
1978	2,362	2,190,449	75	91,486	11	19,250	1,772	4,088,466
1979	2,597	2,216,256	341	420,741	138	253,716	1,272	3,049,981
1980	6,826	5,153,711	2,026	764,511	186	44,960	900	2,260,961
1981	3,416	3,173,191	439	470,373	0	--	683	1,422,547
1982	3,788	2,894,801	335	217,463	0	--	623	1,364,227
1983	4,442	2,629,711	374	170,853	0	--	241	228,307
1984	5,918	3,762,641	537	1,020,322	31	52,163	302	650,290
1985:								
1st quarter	1,445	1,292,682	489	449,838	0	--	93	195,168
2d quarter	703	854,219	284	629,664	0	--	126	103,443
3d quarter	972	503,351	56	107,435	0	--	3	10,400
4th quarter	904	1,176,682	261	97,352	0	--	12	18,500
1985 total	4,024	3,826,934	1,090	1,284,289	0	--	234	327,511
1986:								
1st quarter	2,777	2,798,454	1,306	845,636	0	--	33	58,393
2d quarter	2,604	3,080,777	185	179,507	0	--	67	106,276
3d quarter	707	851,340	107	173,144	31	13,000	129	71,900
4th quarter								
1986 total								
				To Japan				
1975	1,210	562,583	14	9,039	0	--	3,803	636,796
1976	3,313	1,416,317	235	134,988	0	--	456	1,005,649
1977	1,444	1,179,616	17	33,347	0	--	1,063	2,300,667
1978	1,178	819,332	57	84,025	0	--	1,248	3,059,204
1979	1,824	1,153,644	300	359,119	74	188,389	1,059	2,339,089
1980	4,786	1,969,245	1,964	726,891	182	42,200	579	1,532,496
1981	2,037	2,162,473	229	264,161	0	--	310	742,998
1982	1,465	1,212,079	35	64,504	0	--	417	911,992
1983	1,256	918,408	229	81,616	0	--	61	99,250
1984	3,260	1,272,395	398	757,459	0	--	218	433,562
1985:								
1st quarter	538	434,347	83	202,223	0	--	32	73,894
2d quarter	134	127,813	242	487,582	0	--	58	79,090
3d quarter	12	8,200	52	95,035	0	--	0	--
4th quarter	284	434,524	61	27,352	0	--	0	--
1985 total	968	1,004,884	438	812,192	0	--	90	152,984
1986:								
1st quarter	947	728,313	1,286	838,036	0	--	0	--
2d quarter	998	1,505,964	106	162,257	0	--	0	--
3d quarter	61	119,751	87	165,644	0	--	0	--
4th quarter								
1986 total								
				To Mainland China				
1980	6	2,800	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	45	45,000	0	--	0	--	0	--
1983	0	--	100	22,500	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	59	14,963	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1985 total	0	--	59	14,963	0	--	0	--
1986:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	7	15,900	0	--	0	--	0	--
4th quarter								
1986 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 21--Log exports from southern California ports, by species, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Other softwoods	Hardwoods
1975	288	11	224	53
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	797	281	211	305
1983	674	0	31	643
1984	2,618	4	624	1,990
1985:				
1st quarter	346	0	37	309
2d quarter	516	9	179	328
3d quarter	529	0	253	276
4th quarter	601	0	310	291
1985 total	1,992	9	779	1,204
1986:				
1st quarter	1,989	67	869	1,053
2d quarter	1,569	8	338	1,223
3d quarter	982	0	238	744
4th quarter				
1986 total				

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 22--Volume and average value of softwood log exports to Canada from the Montana Customs District, 1975-86 1/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	All species		Douglas-fir		Other softwoods	
	Volume	Value	Volume	Value	Volume	Value
1975	739	226.93	72	274.78	667	221.76
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	--	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985:						
1st quarter	340	250.57	0	--	340	250.57
2d quarter	73	302.85	0	--	73	302.85
3d quarter	62	317.79	49	336.90	13	245.77
4th quarter	0	--	0	--	0	--
1985 total and average value	475	267.38	49	336.90	426	259.38
1986:						
1st quarter	88	241.92	0	--	88	241.92
2d quarter	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--
4th quarter						
1986 total and average value						

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 23--Log exports from British Columbia ports, by species and destination, 1975-86 1/

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	85,082	2,406	18,914	19,373	41,416	1,505	2,188
1976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
1977	186,511	10,085	118,085	36,048	19,835	754	1,704
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	2/ 705,487	132,718	382,809	41,112	80,871	54,293	2/ 13,684
1985:							
1st quarter	206,368	20,766	115,693	8,820	16,774	36,916	7,399
2d quarter	66,814	1,812	20,418	9,056	9,419	24,119	1,990
3d quarter	144,832	3,125	75,857	9,116	38,979	16,864	891
4th quarter	114,941	4,189	52,354	4,633	16,547	36,290	928
1985 total	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986:							
1st quarter	130,527	2,852	66,998	1,661	25,206	30,063	3,747
2d quarter	150,655	230	76,573	2,255	39,725	17,520	14,352
3d quarter	162,492	871	90,269	2,423	28,210	38,694	2,025
4th quarter							
1986 total							
			To Japan				
1975	61,728	1,460	10,477	7,696	39,470	1,253	1,372
1976	67,192	792	17,026	7,343	39,905	470	1,656
1977	109,301	5,106	65,092	23,413	15,489	201	0
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36,157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	2/ 406,680	88,349	174,230	29,619	69,434	39,208	2/ 5,840
1985:							
1st quarter	131,179	7,626	69,694	7,129	15,699	30,899	132
2d quarter	40,344	921	8,603	3,026	7,753	19,615	426
3d quarter	78,314	3,016	45,655	1,605	19,714	8,307	17
4th quarter	71,627	1,010	40,666	1,671	11,731	16,200	349
1985 total	321,464	12,573	164,618	13,431	54,897	75,021	924
1986:							
1st quarter	99,223	245	52,145	1,541	22,556	22,574	162
2d quarter	99,202	230	51,321	1,043	32,437	12,847	1,324
3d quarter	108,959	0	61,718	652	20,720	25,833	36
4th quarter							
1986 total							

Table 23--Log exports from British Columbia ports, by species and destination, 1975-86 1/ (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States				
1975	23,354	946	7,717	11,677	1,946	252	816
1976	48,911	4,598	22,043	14,558	1,964	2,876	2,872
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	2/ 110,263	8,167	73,102	6,867	8,426	8,752	2/ 4,979
1985:							
1st quarter	9,992	4	6,052	98	728	2,773	337
2d quarter	17,346	891	4,260	6,030	1,562	3,484	1,119
3d quarter	45,068	109	17,487	5,922	18,637	2,572	341
4th quarter	23,109	0	2,274	911	3,061	16,295	568
1985 total	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986:							
1st quarter	6,606	30	3,969	0	1,624	461	522
2d quarter	9,439	0	6,250	470	384	2,317	18
3d quarter	24,999	225	13,982	1,382	4,467	3,487	1,456
4th quarter							
1986 total							
			To Mainland China				
1982	46,689	38,463	0	0	3,787	0	8,911
1983	110,354	57,913	0	0	3,096	5,286	44,059
1984	2/ 171,705	35,869	122,460	0	3,001	6,333	2/ 4,102
1985:							
1st quarter	51,427	13,082	28,616	0	0	2,799	6,930
2d quarter	8,575	0	7,555	0	0	1,020	0
3d quarter	19,914	0	12,715	381	628	5,763	427
4th quarter	18,357	3,177	9,402	387	1,596	3,795	0
1985 total	98,273	16,259	58,288	768	2,224	13,377	7,357
1986:							
1st quarter	19,529	2,487	7,568	0	23	6,615	2,836
2d quarter	39,899	0	18,732	5	6,477	1,891	12,794
3d quarter	14,473	646	7,676	0	2,011	4,140	0
4th quarter							
1986 total							

1/ Figures do not include shipments of pulpwood logs.

2/ Incomplete; does not include all "Hardwoods."

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 24--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
1975	55,494	207.13
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981	33,985	319.77
1982	59,492	313.27
1983	76,674	225.58
1984	65,067	135.12
1985:		
1st quarter	13,744	237.18
2d quarter	18,149	312.27
3d quarter	11,379	247.84
4th quarter	5,382	312.13
1985 total and average value	48,654	275.97
1986:		
1st quarter	237	311.74
2d quarter	6,619	78.64
3d quarter	16,978	107.60
4th quarter		
1986 total and average value		

Source: U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 25--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1975-86

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Value	Volume	Value
	Short tons 1/	Dollars	Cords 2/	Dollars
1975	493,761	23.36	11,517	42.90
1976	877,550	20.98	1,967	32.14
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985:				
1st quarter	209,758	27.29	0	--
2d quarter	177,570	30.78	0	--
3d quarter	189,900	27.50	0	--
4th quarter	150,218	23.80	0	--
1985 total and average value	727,446	27.48	0	--
1986:				
1st quarter	199,189	25.36	0	--
2d quarter	245,552	22.25	0	--
3d quarter	84,543	25.41	85	124.73
4th quarter				
1986 total and average value				

1/ Short tons are on a dry weight basis.

2/ Cords are on a green weight basis.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 26--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1975-86

(In short tons, on a dry weight basis; average value in dollars per short ton)

Year and quarter	Washington Customs District		Oregon Customs District		San Francisco Customs District		Alaska Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985:								
1st quarter	67,551	80.40	422,788	74.53	68,126	68.40	0	--
2d quarter	54,056	75.52	416,802	75.91	86,643	77.44	0	--
3d quarter	103,586	73.03	393,944	73.39	89,643	69.32	0	--
4th quarter	50,861	77.60	392,956	72.90	57,735	68.67	0	--
1985 total and average value	276,054	76.16	1,626,490	74.22	302,147	71.31	0	--
1986:								
1st quarter	91,810	81.31	325,281	73.95	58,494	68.64	0	--
2d quarter	58,676	75.47	407,330	72.12	60,473	75.86	0	--
3d quarter	111,582	74.58	376,420	73.23	71,434	68.98	0	--
4th quarter								
1986 total and average value								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 27--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	616,883	415,152	125,529	76,202	263,754	151,681	52,064	60,009	353,129	263,471	73,465	16,193
1976	698,941	478,100	145,645	75,196	311,599	155,041	94,581	61,977	387,342	323,059	51,064	13,219
1977	549,059	372,609	125,479	50,971	256,703	123,783	92,364	40,556	292,356	248,826	33,115	10,415
1978	585,588	374,032	135,156	76,400	310,100	128,895	118,094	63,111	275,488	245,137	17,062	13,289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211,030	103,858	426,322	328,378	69,031	28,907
1980	984,882	449,123	338,487	197,272	521,728	106,671	270,706	144,351	463,154	342,452	67,781	52,921
1981	933,739	451,075	268,024	214,640	467,886	139,070	173,000	155,816	465,853	312,005	95,024	58,824
1982	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
1984	949,509	496,419	257,628	195,462	423,477	121,404	161,660	140,413	526,032	375,015	95,968	55,049
1985:												
1st qtr.	231,430	106,390	80,962	44,078	109,014	25,043	52,062	31,909	122,416	81,347	28,900	12,169
2d qtr.	225,957	117,879	64,082	43,996	97,304	29,336	35,730	32,238	128,653	88,543	28,352	11,758
3d qtr.	207,094	100,942	62,248	43,904	99,140	25,200	40,039	33,901	107,954	75,742	22,209	10,003
4th qtr.	241,389	101,325	94,852	45,212	118,798	26,163	56,634	36,001	122,591	75,162	38,218	9,211
1985 total	905,870	426,536	302,144	177,190	424,256	105,742	184,465	134,049	481,614	320,794	117,679	43,141
1986:												
1st qtr.	277,468	121,377	106,432	49,659	156,976	40,714	76,644	39,618	120,492	80,663	29,788	10,041
2d qtr.	227,141	119,658	104,643	52,840	175,318	47,630	82,157	45,531	101,823	72,028	22,486	7,309
3d qtr.	252,080	96,506	96,018	59,556	176,550	48,816	76,186	51,548	75,530	47,690	19,832	8,008
4th qtr.												
1986 total												
					To Japan							
1975	208,160	96,307	96,610	15,243	89,489	40,991	45,359	3,139	118,671	55,316	51,251	12,104
1976	186,628	68,927	107,884	9,817	127,553	39,430	80,891	7,232	59,075	29,497	26,993	2,585
1977	145,386	40,945	93,719	10,722	108,468	20,845	80,161	7,462	36,918	20,100	13,558	3,260
1978	163,233	36,429	108,610	18,194	141,963	25,609	103,056	13,289	21,270	10,820	5,554	4,896
1979	355,840	75,567	227,702	52,571	258,444	45,549	177,239	35,656	97,396	30,018	50,463	16,915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985:												
1st qtr.	122,149	23,806	74,152	24,191	76,575	10,508	49,015	17,052	45,574	13,298	25,137	7,139
2d qtr.	99,351	21,938	57,055	20,358	51,870	6,110	32,453	13,307	47,481	15,828	24,602	7,051
3d qtr.	103,631	21,500	58,890	23,241	56,993	4,823	36,819	15,351	46,638	16,677	22,071	7,890
4th qtr.	146,989	30,284	91,578	25,127	81,433	9,489	53,918	18,026	65,556	20,795	37,660	7,101
1985 total	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986:												
1st qtr.	155,743	32,239	99,769	23,735	99,359	13,155	70,526	15,678	56,384	19,084	29,243	8,057
2d qtr.	153,668	30,141	98,703	24,824	113,949	17,523	77,013	19,413	39,719	12,618	21,690	5,411
3d qtr.	143,890	25,181	88,453	30,256	110,418	17,539	69,241	23,638	33,472	7,642	19,212	6,618
4th qtr.												
1986 total												

Table 27--Softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/ (continued)

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1975	113,213	61,099	4,299	47,815	112,783	61,099	3,869	47,815	0	0	0	0
1976	101,633	50,327	6,737	44,569	101,633	50,327	6,737	44,569	0	0	0	0
1977	76,251	45,842	3,695	26,714	76,251	45,842	3,695	26,714	0	0	0	0
1978	117,969	69,852	9,241	38,876	117,930	69,813	9,241	38,876	39	39	0	0
1979	113,977	38,917	18,870	56,190	113,977	38,917	18,870	56,190	0	0	0	0
1980	159,658	54,876	26,325	78,457	159,658	54,876	26,325	78,457	0	0	0	0
1981	213,594	91,861	20,598	101,135	213,594	91,861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	0
1984	109,979	45,625	7,559	56,795	109,979	45,625	7,559	56,795	0	0	0	0
1985:												
1st qtr.	24,386	10,670	1,329	12,387	24,386	10,670	1,329	12,387	0	0	0	0
2d qtr.	34,116	16,772	1,797	15,547	34,116	16,772	1,797	15,547	0	0	0	0
3d qtr.	33,256	15,134	1,654	16,468	33,241	15,119	1,654	16,468	15	15	0	0
4th qtr.	27,127	10,269	1,347	15,511	27,127	10,269	1,347	15,511	0	0	0	0
1985 total	118,885	52,845	6,127	59,913	118,870	52,830	6,127	59,913	15	15	0	0
1986:												
1st qtr.	37,119	15,527	1,512	20,080	37,119	15,527	1,512	20,080	0	0	0	0
2d qtr.	36,757	14,886	2,271	19,600	36,757	14,886	2,271	19,600	0	0	0	0
3d qtr.	39,647	14,319	3,171	22,157	39,647	14,319	3,171	22,157	0	0	0	0
4th qtr.												
1986 total												
					To Mainland China							
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985:												
1st qtr.	7,345	6,750	0	595	0	0	0	0	7,345	6,750	0	595
2d qtr.	10,056	7,248	2,808	0	0	0	0	0	10,056	7,248	2,808	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	89	0	0	89	89	0	0	89	0	0	0	0
1985 total	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986:												
1st qtr.	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.												
1986 total												

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 28--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	263.14	283.95	206.11	243.68	220.36	228.52	191.93	224.40	295.09	315.86	216.16	315.10
1976	318.61	350.52	220.15	306.38	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.34
1977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.70
1983	346.29	383.95	306.32	311.15	301.26	297.07	317.28	284.66	399.31	420.63	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985:												
1st qtr.	328.50	367.89	281.88	319.07	298.47	300.44	297.82	297.98	355.25	388.65	253.17	374.39
2d qtr.	336.08	376.01	284.65	304.01	299.08	314.88	305.63	277.45	364.06	396.26	258.21	376.86
3d qtr.	343 05	375.86	314.06	308.72	323.71	356.15	328.26	294.21	360.81	382.41	288.47	357.87
4th qtr.	331.73	370.92	300.41	309.60	312.16	322.28	323.27	287.34	350.69	387.85	266.54	396.60
1985 average	334.58	372.74	294.92	310.35	308.34	323.13	313.75	289.23	357.69	389.09	265.39	375.97
1986:												
1st qtr.	382.98	373.67	296.40	205.69	306.07	344.08	301.45	275.95	362.99	388.61	283.43	393.20
2d qtr.	368.54	424.78	318.50	340.26	330.85	352.77	317.78	331.49	433.43	472.39	321.13	394.90
3d qtr.	331.91	410.83	310.10	239.18	320.33	327.89	322.16	310.48	419.98	495.74	263.79	355.63
4th qtr.												
1986 average												
					To Japan							
1975	188.89	155.39	202.62	313.48	188.14	167.70	182.71	533.56	189.45	146.27	220.23	256.41
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
1977	243.68	249.38	240.35	250.06	246.50	266.64	240.37	256.19	235.40	231.45	240.28	239.31
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985:												
1st qtr.	294.36	307.77	285.74	307.59	269.09	269.31	297.20	309.39	291.46	338.15	263.40	303.30
2d qtr.	299.00	337.64	283.34	301.27	298.45	296.01	300.40	294.83	299.61	353.70	260.84	313.42
3d qtr.	310.97	292.04	311.71	326.59	326.91	312.55	325.60	334.58	291.48	286.10	288.55	311.05
4th qtr.	296.95	262.63	299.35	329.56	317.66	279.15	322.29	324.07	271.22	255.10	266.50	343.49
1985 average	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986:												
1st qtr.	306.40	312.30	294.91	346.69	309.79	326.41	300.17	339.12	300.43	302.57	282.23	361.43
2d qtr.	333.66	354.93	315.11	381.61	333.96	360.77	312.86	393.45	332.81	346.82	323.08	339.16
3d qtr.	327.12	335.58	306.70	379.79	329.53	308.39	318.94	376.21	319.18	398.00	262.56	392.56
4th qtr.												
1986 average												

Table 28--Average value of softwood lumber exports from Washington and Oregon ports, by origin, species, and destination, 1975-86 1/ (continued)

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1975	189.59	200.09	199.95	175.20	189.59	200.09	199.95	175.20	--	--	--	--
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11	--	--	--	--
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43	--	--	--	--
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	--	--	--	--
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985:												
1st qtr.	265.41	288.51	349.49	236.49	265.41	288.51	349.49	236.49	--	--	--	--
2d qtr.	264.78	290.07	348.60	227.80	264.78	290.07	348.60	227.80	--	--	--	--
3d qtr.	274.04	313.53	350.39	230.08	273.90	313.25	350.39	230.08	590.00	590.00	--	--
4th qtr.	258.61	296.99	317.23	228.12	258.61	296.99	317.23	228.12	--	--	--	--
1985 average	266.09	297.82	342.38	230.30	266.05	297.74	342.38	230.30	590.00	590.00	--	--
1986:												
1st qtr.	261.44	310.45	355.23	216.47	261.44	310.45	355.23	283.68	--	--	--	--
2d qtr.	274.70	326.21	351.48	226.69	274.70	326.21	351.48	226.69	--	--	--	--
3d qtr.	271.49	330.45	299.83	229.33	271.49	330.45	299.83	229.33	--	--	--	--
4th qtr.												
1986 average												
					To Mainland China							
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985:												
1st qtr.	300.60	276.52	--	573.71	--	--	--	--	300.60	276.52	--	573.71
2d qtr.	252.09	248.75	260.70	--	--	--	--	--	252.09	248.75	260.70	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	464.35	--	--	464.35	464.35	--	--	464.35	--	--	--	--
1985 average	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986:												
1st qtr.	203.99	216.34	186.87	202.56	186.87	--	186.87	--	216.00	216.34	--	202.56
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.												
1986 average												

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 29--Softwood lumber exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
		To all countries		
1975	27,628	13,388	636	13,604
1976	40,585	14,430	462	25,693
1977	44,438	18,951	1,137	24,350
1978	32,919	12,931	684	19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982	52,717	13,855	7,536	31,326
1983	43,280	18,583	5,619	19,078
1984	23,203	10,250	617	12,336
1985:				
1st quarter	7,311	3,741	212	3,358
2d quarter	8,137	4,251	37	3,849
3d quarter	9,102	3,806	281	5,015
4th quarter	8,371	3,542	337	4,492
1985 total	32,921	15,340	867	16,714
1986:				
1st quarter	12,768	6,899	542	5,327
2d quarter	8,188	4,085	879	3,224
3d quarter	8,484	1,936	1,152	5,396
4th quarter				
1986 total				
		To Japan		
1975	4,303	337	0	3,966
1976	5,724	168	396	5,160
1977	7,766	1,354	0	6,412
1978	6,763	107	200	6,456
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982	38,213	7,285	6,581	24,347
1983	22,157	2,233	5,414	14,510
1984	10,127	345	321	9,461
1985:				
1st quarter	3,100	0	142	2,958
2d quarter	3,140	0	37	3,103
3d quarter	4,140	0	211	3,929
4th quarter	4,414	282	318	3,814
1985 total	14,794	282	708	13,804
1986:				
1st quarter	5,019	26	505	4,488
2d quarter	3,621	0	879	2,742
3d quarter	5,783	30	1,152	4,601
4th quarter				
1986 total				
		To Mainland China		
1981	93	0	0	93
1982	22	17	0	5
1983	0	0	0	0
1984	0	0	0	0
1985:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter	0	0	0	0
1985 total	0	0	0	0
1986:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter				
1986 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Table 30--Softwood lumber exports from southern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Other softwoods
	To all countries		
1975	56,759	23,596	33,163
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	71,212	7,491	63,721
1983	35,727	2,603	33,124
1984	78,696	2,979	75,717
1985:			
1st quarter	15,150	238	14,912
2d quarter	23,214	365	22,849
3d quarter	27,301	826	26,475
4th quarter	30,270	638	29,632
1985 total	95,935	2,067	93,868
1986:			
1st quarter	27,261	528	26,733
2d quarter	29,803	547	29,256
3d quarter	27,336	623	26,713
4th quarter			
1986 total			
	To Japan		
1975	119	--	119
1976	377	--	377
1977	172	73	99
1978	471	--	471
1979	739	--	739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982	290	12	278
1983	2,699	22	2,677
1984	410	0	410
1985:			
1st quarter	40	0	40
2d quarter	40	0	40
3d quarter	69	0	69
4th quarter	0	0	0
1985 total	149	0	149
1986:			
1st quarter	15	0	15
2d quarter	18	0	18
3d quarter	11	0	11
4th quarter			
1986 total			

1/ Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 31--Softwood lumber exports from Alaska ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total	Western hemlock	Sitka spruce	Cedar	Other softwoods
To all countries					
1975	313,307	179,398	132,556	1,353	0
1976	290,011	134,387	148,526	1,298	5,800
1977	250,044	122,544	121,350	5,579	571
1978	237,795	126,218	111,435	53	89
1979	278,462	172,005	103,844	479	2,134
1980	256,716	158,682	96,607	105	1,322
1981	195,981	104,974	91,007	0	0
1982	171,966	75,500	94,805	0	1,661
1983	136,660	70,791	64,193	0	1,676
1984	120,874	75,445	44,915	0	514
1985:					
1st quarter	31,001	19,971	11,030	0	0
2d quarter	27,802	18,609	9,193	0	0
3d quarter	22,049	15,005	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	87,127	59,426	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	24,418	14,923	8,478	0	1,017
3d quarter	24,148	17,634	6,375	0	139
4th quarter					
1986 total					
To Japan					
1975	312,976	179,122	132,501	1,353	0
1976	289,197	134,274	148,221	902	5,800
1977	245,445	122,471	121,083	1,391	500
1978	236,615	125,355	111,207	53	0
1979	273,615	170,149	101,408	435	1,623
1980	251,369	156,654	94,610	105	0
1981	161,794	82,753	79,041	0	0
1982	155,826	71,192	83,966	0	668
1983	119,662	64,250	53,814	0	1,598
1984	117,425	72,805	44,620	0	0
1985:					
1st quarter	30,716	19,686	11,030	0	0
2d quarter	27,611	18,418	9,193	0	0
3d quarter	21,379	14,335	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	85,981	58,280	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	23,426	14,923	8,478	0	25
3d quarter	24,127	17,634	6,354	0	139
4th quarter					
1986 total					
To Mainland China					
1981	27,149	18,428	8,721	0	0
1982	13,153	3,307	9,846	0	0
1983	12,254	6,428	5,826	0	0
1984	0	0	0	0	0
1985:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter	0	0	0	0	0
1985 total	0	0	0	0	0
1986:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter					
1986 total					

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 32--Softwood lumber exports to Canada from the Montana Customs District, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982	47,418	8,595	690	38,133
1983	69,222	12,534	852	55,836
1984	57,574	7,898	683	48,993
1985:				
1st quarter	7,298	1,659	15	5,624
2d quarter	9,684	2,517	133	7,034
3d quarter	10,020	2,421	112	7,487
4th quarter	7,524	1,985	134	5,405
1985 total	34,526	8,582	394	25,550
1986:				
1st quarter	9,152	1,958	46	7,148
2d quarter	8,884	2,377	285	6,222
3d quarter	9,003	1,907	264	6,832
4th quarter				
1986 total				

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

Table 33--Lumber exports from British Columbia ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	3,001,410	356,371	1,113,665	295,218	825,527	409,507	1,122
1976	4,670,033	542,197	1,967,446	467,829	1,191,429	499,853	1,279
1977	5,860,807	683,614	2,364,028	533,267	2,269,876	8,796	1,226
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	1/1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985:							
1st quarter	1,376,844	119,880	555,574	200,198	52,916	447,701	575
2d quarter	1,572,948	176,669	540,403	244,907	56,080	554,090	799
3d quarter	1,445,216	173,420	525,029	207,947	47,730	490,060	1,030
4th quarter	1,461,701	136,483	545,411	210,242	60,614	508,450	501
1985 total	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986:							
1st quarter	1,579,417	125,294	583,986	222,770	47,355	599,364	648
2d quarter	1,844,572	186,206	685,894	275,193	47,094	649,871	R 533
3d quarter	1,377,110	137,775	498,764	217,469	30,984	491,694	424
4th quarter							
1986 total							
			To Japan				
1975	407,674	12,870	301,336	60,490	30,488	2,405	85
1976	633,863	13,727	476,927	79,934	61,743	1,521	11
1977	705,823	18,530	530,567	90,447	65,943	85	251
1978	779,135	23,799	545,983	116,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985:							
1st quarter	246,874	9,887	140,300	33,724	23,077	39,734	152
2d quarter	257,074	14,748	141,585	34,895	22,622	42,995	229
3d quarter	202,368	13,138	116,043	25,609	16,096	31,317	165
4th quarter	289,345	19,204	181,136	34,322	24,792	29,845	46
1985 total	995,661	56,977	579,064	128,550	86,587	143,891	592
1986:							
1st quarter	246,869	8,536	155,444	31,720	19,418	31,733	18
2d quarter	267,870	19,549	148,395	41,196	25,025	33,657	48
3d quarter	214,164	17,504	112,594	33,208	19,862	30,890	106
4th quarter							
1986 total							

Table 33--Lumber exports from British Columbia ports, by species and destination, 1975-86 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States 2/				
1975	2,026,343	238,331	542,256	166,949	684,404	393,391	1,012
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985:							
1st quarter	862,485	67,960	276,248	148,040	29,224	340,614	399
2d quarter	1,112,808	108,113	314,696	196,659	32,722	460,128	490
3d quarter	1,054,071	112,404	339,837	167,914	30,266	402,917	733
4th quarter	927,245	63,956	252,108	156,284	34,767	419,689	441
1985 total	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986:							
1st quarter	1,049,391	67,103	301,512	170,415	27,019	482,712	630
2d quarter	1,257,900	117,029	382,338	210,653	21,014	526,393	473
3d quarter	964,589	90,032	308,952	167,598	9,587	388,121	299
4th quarter							
1986 total							
			To Mainland China				
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985:							
1st quarter	20,601	0	20,601	0	0	0	0
2d quarter	25,677	0	25,677	0	0	0	0
3d quarter	18,487	672	17,815	0	0	0	0
4th quarter	39,516	0	39,516	0	0	0	0
1985 total	104,281	672	103,609	0	0	0	0
1986:							
1st quarter	16,470	0	16,092	0	0	378	0
2d quarter	12,850	0	12,850	0	0	0	0
3d quarter	5,092	0	5,092	0	0	0	0
4th quarter							
1986 total							

1/ Incomplete; does not include all "Other softwoods" or "Hardwoods."

2/ Figures do not include shipments of railroad crossties.

R = revised.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 34--Plywood exports from Washington and Oregon Customs Districts, by origin and destination, 1975-86

(In thousand square feet)

Year and quarter	From both customs districts		From Washington Customs District		From Oregon Customs District	
	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
			To all countries			
1975	407,117	10,493	93,951	10,360	313,166	133
1976	532,576	24,229	34,020	23,846	498,556	383
1977	233,762	17,673	20,603	17,447	213,159	226
1978	242,105	12,160	23,284	8,871	218,821	3,289
1979	330,018	9,962	27,132	9,644	302,886	318
1980	279,003	9,718	20,747	8,806	258,256	912
1981	327,967	18,645	65,729	17,333	262,238	1,312
1982	221,609	9,435	36,268	9,346	185,341	89
1983	322,386	16,541	38,008	16,320	284,378	221
1984	156,715	9,140	23,663	9,126	133,052	284
1985:						
1st quarter	31,896	2,453	5,035	2,453	26,861	0
2d quarter	10,319	2,649	3,440	2,511	6,879	138
3d quarter	10,621	1,198	2,717	1,198	7,904	0
4th quarter	41,840	3,574	4,499	3,041	37,341	533
1985 total	94,676	9,874	15,691	9,203	78,985	671
1986:						
1st quarter	62,589	1,200	3,650	1,200	58,939	0
2d quarter	42,842	2,625	3,153	2,298	39,689	327
3d quarter	32,065	2,614	3,854	2,614	28,211	0
4th quarter						
1986 total						
			To Japan			
1975	2,141	14	414	0	1,727	14
1976	2,361	61	498	61	1,863	0
1977	1,914	162	122	74	1,792	88
1978	2,821	18	167	18	2,654	0
1979	6,040	108	931	108	5,109	0
1980	8,301	978	4,158	978	4,143	0
1981	5,056	13	2,162	12	2,894	1
1982	6,720	19	3,152	19	3,568	0
1983	5,680	16	3,973	0	1,707	16
1984	6,429	0	2,054	0	4,375	0
1985:						
1st quarter	1,937	44	668	44	1,269	0
2d quarter	1,509	178	357	40	1,152	138
3d quarter	1,396	0	238	0	1,158	0
4th quarter	1,208	533	47	0	1,161	533
1985 total	6,050	755	1,310	84	4,740	671
1986:						
1st quarter	1,966	0	540	0	1,426	0
2d quarter	1,803	24	506	24	1,297	0
3d quarter	2,197	0	61	0	2,136	0
4th quarter						
1986 total						
			To Mainland China			
1982	0	1	0	1	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	0	0
4th quarter	0	0	0	0	0	0
1985 total	0	0	0	0	0	0
1986:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	0	0
4th quarter						
1986 total						

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 35--Plywood exports from California, 1975-86 1/

(In thousand square feet)

Year and quarter	Total	Northern California		Southern California	
		Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
1975	19,619	7,874	542	6,311	4,892
1976	19,696	10,085	92	4,681	5,111
1977	9,198	5,148	646	1,818	1,586
1978	6,036	2,833	899	964	1,340
1979	5,934	1,638	871	1,946	1,479
1980	9,054	1,414	849	3,546	3,245
1981	9,349	2,424	487	2,830	3,608
1982	7,464	3,026	1,364	1,557	1,517
1983	8,128	3,442	974	1,330	2,382
1984	9,405	2,608	513	1,629	4 655
1985:					
1st quarter	1,891	513	98	143	1,137
2d quarter	3,083	744	95	540	1,704
3d quarter	5,773	3,018	88	681	1,986
4th quarter	4,731	1,964	44	356	2,367
1985 total	15,478	6,239	325	1,720	7,194
1986:					
1st quarter	8,979	1,467	15	1,896	5,601
2d quarter	8,453	1,473	511	3,828	2,641
3d quarter	5,607	321	14	3,507	1,765
4th quarter					
1986 total					

1/ Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown.

Table 36--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 3d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Montana:											
U.S. Forest Service 1/	536,133	547,509	589,875	457,599	552,665	155,406	84,140	160,867	183,450		
U.S. Bur. Land Manage. 2/	9,061	6,265	16,375	4,647	7,940	6,668	2,714	2,879	2,250		
U.S. Bur. Indian Affairs	24,693	17,198	13,136	23,891	19,671	490	795	7,485	13,335		
State of Montana	28,853	25,470	23,553	22,095	23,280	5,114	4,769	7,057	7,893		
Total	598,740	596,442	642,939	508,232	603,556	167,678	92,418	178,288	206,928		
Idaho:											
U.S. Forest Service 1/	741,147	687,320	686,650	674,122	704,023	245,782	140,029	168,682	239,670		
U.S. Bur. Land Manage. 2/	33,221	11,538	12,133	2,302	10,990	1,754	7,194	9,005	4,841		
U.S. Bur. Indian Affairs	14,484	7,070	8,605	6,850	4,994	2,679	784	0	0		
State of Idaho	14,820	38,727	82,674	181,552	127,863	40,393	22,659	33,601	53,423		
Total	803,672	744,655	790,062	864,826	847,870	290,608	170,666	211,288	297,934		
All public lands:											
U.S. Forest Service 1/	1,277,280	1,234,829	1,276,525	1,131,721	1,256,688	401,188	224,169	329,549	423,120		
U.S. Bur. Land Manage. 2/	42,282	17,803	28,508	6,949	19,399	8,422	9,908	11,884	7,091		
U.S. Bur. Indian Affairs	39,177	24,268	21,741	30,741	24,665	3,169	1,579	7,485	13,335		
State of Montana	28,853	25,470	23,553	22,095	23,280	5,114	4,769	7,057	7,893		
State of Idaho	14,820	38,727	82,674	181,552	127,863	40,393	22,659	33,601	53,423		
Total	1,402,412	1,341,097	1,433,001	1,373,058	1,451,895	458,286	263,084	389,576	504,862		

1/ Convertible products only.

2/ Does not include cull log sales.

Source: respective agencies listed.

Table 37--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985 Average	1985 3d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Average
Montana:											
U.S. Forest Service 1/	57.46	29.80	33.97	27.12	23.30	16.26	23.41	14.91	25.44		
U.S. Bur. Land Manage. 2/	39.52	32.17	22.78	27.46	16.71	15.11	23.83	24.63	55.00		
U.S. Bur. Indian Affairs	65.05	73.50	51.13	34.08	41.39	17.53	81.50	54.29	69.16		
State of Montana	99.28	81.39	83.70	72.37	79.34	75.25	60.40	68.55	67.23		
Average	59.52	33.28	35.86	29.42	25.97	18.01	25.83	18.84	30.18		
Idaho:											
U.S. Forest Service 1/	43.27	28.28	47.13	46.45	23.74	21.22	22.89	31.92	38.44		
U.S. Bur. Land Manage. 2/	55.45	26.71	75.56	96.26	40.25	43.19	21.38	20.98	32.47		
U.S. Bur. Indian Affairs	83.15	78.79	78.71	82.36	55.09	43.13	94.71	--	--		
State of Idaho	101.83	45.28	71.04	63.18	61.31	69.48	60.87	43.34	47.48		
Average	44.88	29.62	50.41	50.38	29.80	28.26	28.20	33.27	39.96		
All public lands:											
U.S. Forest Service 1/	49.22	28.95	41.05	38.63	23.56	19.30	23.08	23.61	32.80		
U.S. Bur. Land Manage. 2/	38.92	28.63	45.24	50.25	30.07	20.96	22.05	21.86	39.62		
U.S. Bur. Indian Affairs	71.74	75.04	62.04	44.84	44.16	39.17	88.06	54.29	69.12		
State of Montana	99.28	81.39	83.70	72.37	79.34	75.25	60.40	68.55	67.23		
State of Idaho	101.83	45.28	71.04	63.18	61.31	69.48	60.87	43.34	47.48		
Average	51.13	31.25	43.88	42.62	28.21	24.51	27.37	26.67	35.95		

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Does not include cull log prices.

Source: respective agencies listed.

Table 38--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1975	14.40	22.40	36.20	19.20	10.90	2.00	42.50	20.30	4.80	18.30
1976	23.00	56.80	91.40	16.70	42.20	9.60	45.80	52.90	9.30	35.40
1977	41.50	96.60	122.70	38.30	61.40	11.90	72.00	72.20	20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	69.60	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	60.90	28.30	37.70	36.20
1983	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70
1984	46.90	66.50	104.90	37.30	39.00	44.50	106.70	49.50	45.00	49.20
1985	34.10	58.70	108.30	28.40	37.70	35.70	91.50	35.00	32.70	37.80
1986:										
1st quarter	29.90	45.00	16.70	33.20	24.90	9.90	38.00	30.60	16.90	27.00
2d quarter	31.40	47.70	136.80	29.50	36.00	35.80	56.50	27.10	25.20	32.10
3d quarter	39.80	72.50	145.80	41.70	36.80	46.60	87.70	41.30	43.90	44.70
4th quarter										
1986 average										

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

Table 39--Volume of timber sold on publicly owned or managed lands in California, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	1,899,263	1,617,664	1,786,681	1,490,204	R1,608,346	613,899	351,501	284,820	622,698		
U.S. Bur. Land Manage. 2/	14,471	33,385	8,919	13,140	16,616	7,967	187	6,174	13,897		
U.S. Bur. Indian Affairs	11,000	63,595	3,000	3,634	4,342	0	14,533	26,096	40,900		
State of California	10,480	34,726	31,452	33,529	27,232	8,771	21,274	1,163	32		
Total	1,935,214	1,749,370	1,830,052	1,540,507	R1,656,536	630,637	387,495	318,259	677,527		

1/ Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2/ Does not include cull log sales or volume given away through free use permits.

R = revised.

Source: respective agencies listed.

Table 40—Average stumpage prices of timber sold on publicly owned or managed lands in California, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985		1986				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/ 2/	149.78	53.87	70.66	61.08	R 56.35	60.17	76.36	73.51	59.72		
U.S. Bur. Land Manage. 3/	84.26	41.10	78.47	63.21	48.16	23.10	13.51	66.49	60.65		
U.S. Bur. Indian Affairs	224.73	153.90	110.00	48.24	89.98	--	63.75	62.72	107.02		
State of California	190.57	133.93	188.59	174.30	131.16	181.17	105.82	52.62	23.22		
Average	180.70	58.86	72.79	63.53	R 57.58	61.38	77.47	72.41	62.60		

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

3/ Does not include cull log sales or volume given away through free use permits.

R = revised.

Source: respective agencies listed.

Table 41--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985:							
1st quarter	64.00	83.60	93.10	26.30	58.90	31.90	60.80
2d quarter	61.30	109.10	94.60	50.20	79.60	25.90	61.40
3d quarter	64.20	88.60	113.30	10.10	170.80	42.60	75.90
4th quarter	53.80	179.90	176.00	5.50	66.30	33.50	98.20
1985 average	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986:							
1st quarter	61.60	145.50	151.20	31.00	63.30	31.70	84.30
2d quarter	78.90	138.30	127.50	9.80	79.70	65.50	93.70
3d quarter	64.15	88.64	113.27	10.14	170.75	42.63	75.85
4th quarter							
1986 average							

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

Table 42--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985 Total	1985 3d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Western Washington:										
U.S. Forest Service 1/	1,066,085	1,153,819	996,173	699,004	146,584	252,012	262,867	363,180		
U.S. Bur. Land Manage.	0	0	0	60	0	0	2,629	2,323		
U.S. Bur. Indian Aff.	2,535	13,653	19,587	25,739	6,234	3,776	12,083	1,303		
State of Washington 2/	601,935	637,295	448,105	768,035	134,415	217,027	161,515	143,399		
Total	1,670,555	1,704,767	1,463,865	1,492,838	287,233	472,815	439,094	510,205		
Eastern Washington:										
U.S. Forest Service 1/	322,315	495,326	350,177	344,653	119,777	83,089	124,267	167,547		
U.S. Bur. Land Manage.	3,025	3,414	2,185	4,016	3,866	13	0	0		
U.S. Bur. Indian Aff.	44,583	165,656	106,603	227,939	12,176	14,679	16,798	22,159		
State of Washington 2/	89,620	62,235	60,305	98,235	12,530	27,030	42,810	18,190		
Total	459,543	726,631	519,270	674,843	148,349	124,811	183,875	207,896		
Western Oregon:										
U.S. Forest Service 1/	2,418,057	2,179,345	2,271,941	2,123,325	732,921	582,471	671,402	913,285		
U.S. Bur. Land Manage.	1,214,330	1,045,924	1,042,117	974,921	248,392	349,466	395,762	473,503		
U.S. Bur. Indian Aff.	0	2,361	3,212	7,951	0	0	0	0		
State of Oregon	301,947	268,416	208,797	198,017	67,586	37,335	34,975	54,626		
Total	3,934,334	3,496,046	3,526,067	3,304,217	1,048,899	969,272	1,102,139	1,441,414		
Eastern Oregon:										
U.S. Forest Service 1/	1,164,264	1,148,349	1,279,703	1,099,194	389,013	256,483	457,208	503,053		
U.S. Bur. Land Manage.	15,197	19,212	14,078	21,627	21,550	0	0	9,519		
U.S. Bur. Indian Aff.	89,438	17,370	73,180	93,700	10,640	43,060	21,758	8,230		
State of Oregon	13,350	1,726	6,713	243	243	0	0	5,606		
Total	1,282,249	1,186,657	1,373,674	1,214,764	421,446	299,543	478,966	526,408		
All public lands:										
U.S. Forest Service 1/	4,970,721	4,976,839	4,897,994	4,266,176	1,388,295	1,174,055	1,515,744	1,947,065		
U.S. Bur. Land Manage.	1,232,552	1,068,550	1,058,380	1,000,624	273,808	349,479	398,391	485,345		
U.S. Bur. Indian Aff.	136,556	199,040	202,582	355,329	29,050	61,515	50,639	31,692		
State of Washington 2/	691,555	699,530	508,410	866,270	146,945	244,057	204,325	161,589		
State of Oregon	315,297	270,142	215,510	198,260	67,829	37,335	34,975	60,232		
Total	7,346,681	7,214,101	6,882,876	6,686,659	1,905,927	1,866,441	2,204,074	2,685,923		

1/ Convertible products only.

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 43--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985 Total	1985 3d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Western Washington:										
U.S. Forest Service 1/	61.48	73.84	61.92	62.47	55.23	92.62	91.21	79.00		
U.S. Bur. Land Manage.	--	--	--	95.00	--	--	48.16	76.91		
U.S. Bur. Indian Aff.	128.64	97.71	69.87	54.85	61.70	82.50	73.42	113.28		
State of Washington 2/	146.88	138.41	118.70	111.38	107.43	120.36	114.36	139.29		
Average	92.35	96.82	79.41	87.50	79.80	105.27	98.98	96.02		
Eastern Washington:										
U.S. Forest Service 1/	30.61	38.60	29.86	28.40	25.71	50.46	31.85	29.43		
U.S. Bur. Land Manage.	43.64	51.84	28.49	31.54	30.63	55.00	--	--		
U.S. Bur. Indian Aff.	191.17	127.06	157.14	151.94	129.66	80.45	94.49	220.23		
State of Washington 2/	115.52	67.83	110.78	71.27	93.45	126.97	101.82	67.42		
Average	62.38	61.34	65.26	76.54	40.09	70.56	53.87	53.09		
Western Oregon:										
U.S. Forest Service 1/	92.44	129.33	96.70	81.91	77.93	100.56	125.90	117.73		
U.S. Bur. Land Manage.	89.40	131.14	101.19	82.32	91.20	89.27	100.62	89.91		
U.S. Bur. Indian Aff.	--	170.20	126.56	156.29	--	--	--	--		
State of Oregon	117.52	165.39	129.92	133.07	137.12	138.69	161.42	134.20		
Average	93.43	132.67	100.02	85.28	84.88	97.96	117.95	109.22		
Eastern Oregon:										
U.S. Forest Service 1/	77.28	81.70	73.61	83.68	73.48	128.06	78.97	108.97		
U.S. Bur. Land Manage.	62.45	57.58	39.17	32.48	32.43	--	--	41.72		
U.S. Bur. Indian Aff.	82.85	140.60	109.02	86.41	34.29	101.58	117.05	77.57		
State of Oregon	111.66	59.68	120.29	92.93	92.93	--	--	69.33		
Average	56.33	82.14	75.37	82.98	70.40	124.26	80.70	106.84		
All public lands:										
U.S. Forest Service 1/	72.69	96.45	78.80	74.88	69.78	101.32	98.02	100.65		
U.S. Bur. Land Manage.	88.96	129.56	100.21	81.03	85.72	89.28	100.28	88.90		
U.S. Bur. Indian Aff.	119.00	126.74	130.83	127.73	80.14	95.37	99.16	178.78		
State of Washington 2/	142.82	132.13	117.76	106.83	106.24	121.09	111.73	131.20		
State of Oregon	114.27	164.71	129.62	149.48	136.96	138.69	161.42	128.16		
Average	84.80	108.20	88.09	84.96	77.43	102.20	100.73	101.90		

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 44--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir		Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars 2/	Larch	Noble fir and Shasta red fir	Other true firs	All species
	West side	East side												
1975	169.50	34.30	43.10	109.90	84.40	15.40	13.70	75.90	68.50	119.20	5.80	117.70	45.10	101.60
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1977	225.90	71.20	138.40	162.80	142.70	35.40	36.50	103.00	89.20	149.60	62.10	128.90	85.10	153.80
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985:														
1st quarter	124.70	37.30	151.70	163.60	140.50	21.20	17.20	90.60	50.40	140.40	35.00	53.50	39.50	101.80
2d quarter	119.60	28.70	160.00	196.90	95.30	8.90	32.80	61.20	51.90	109.80	79.40	67.80	50.20	97.90
3d quarter	129.30	28.90	181.50	191.60	79.20	15.20	16.30	65.30	42.80	117.10	41.70	55.40	35.70	98.40
4th quarter	132.80	32.40	179.30	247.30	41.10	13.10	34.70	52.40	68.80	129.20	43.60	53.60	40.10	114.20
1985 average	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986:														
1st quarter	157.50	41.90	205.00	177.90	73.60	5.90	20.70	101.00	67.10	105.50	48.90	11.90	53.70	129.40
2d quarter	165.80	31.90	159.30	224.40	R133.80	10.50	104.90	93.80	80.50	208.90	25.50	55.00	47.80	121.50
3d quarter	154.90	41.80	209.20	213.90	129.60	15.00	21.30	24.40	68.90	155.70	53.90	71.90	49.70	127.60
4th quarter														
1986 average														

1/ Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Includes Port-Orford-cedar.

R = revised.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 45--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood--												
1st quarter	32,675	184.96	3,900	76.67	300	19.43	22,275	104.72	5,520	35.70	80,922	111.31
2d quarter	80,280	178.60	5,360	67.38	1,805	71.53	48,176	94.32	6,230	14.97	164,420	119.98
3d quarter	45,036	148.65	27,410	103.99	7,030	184.89	18,033	131.20	4,350	19.05	123,594	109.07
4th quarter												
Total and average												
Rogue River--												
1st quarter	12,080	155.43	0	--	1,150	132.84	0	--	7,080	21.86	21,685	109.81
2d quarter	36,420	135.84	0	--	4,010	186.24	0	--	24,580	58.49	74,340	101.39
3d quarter	25,230	142.09	0	--	2,570	60.64	0	--	17,890	53.09	60,430	108.32
4th quarter												
Total and average												
Siskiyou--												
1st quarter	35,760	89.62	0	--	0	--	280	22.49	70	30.27	44,431	80.83
2d quarter	40,890	81.31	0	--	250	56.23	1,800	8.54	140	22.46	53,690	147.09
3d quarter	56,930	79.34	0	--	0	--	1,240	10.29	770	24.07	71,700	117.77
4th quarter												
Total and average												
Siuslaw--												
1st quarter	33,172	144.74	0	--	0	--	460	68.15	0	--	35,388	138.83
2d quarter	69,692	161.80	0	--	0	--	11,520	64.76	0	--	90,987	142.50
3d quarter	134,550	127.06	0	--	0	--	9,630	65.16	0	--	149,451	120.19
4th quarter												
Total and average												
Umpqua--												
1st quarter	89,790	147.35	0	--	0	--	7,120	15.64	3,500	11.60	136,445	111.95
2d quarter	64,037	179.92	0	--	600	46.56	4,590	7.86	2,000	19.45	93,407	136.69
3d quarter	75,360	129.57	0	--	100	99.95	9,500	11.47	2,510	20.89	110,600	98.75
4th quarter												
Total and average												
Willamette--												
1st quarter	157,367	131.52	0	--	0	--	25,033	21.30	50	90.88	248,528	92.81
2d quarter	107,968	191.55	0	--	329	126.88	18,330	12.58	1,000	6.00	160,689	138.96
3d quarter	240,670	183.89	0	--	0	--	44,065	17.13	3,100	13.90	363,673	129.68
4th quarter												
Total and average												
All western Oregon:												
1st quarter	360,844	138.16	3,900	76.67	1,450	109.37	55,168	54.65	16,220	24.60	567,399	102.64
2d quarter	399,287	165.52	5,360	67.38	6,994	137.21	84,416	66.01	33,950	46.51	637,533	130.55
3d quarter	577,776	148.70	27,410	103.99	9,700	151.10	82,468	46.93	28,620	40.05	879,448	118.85
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	10,750	204.31	0	--	0	--	8,200	109.74	7,300	145.92	32,050	135.48
2d quarter	68,900	128.52	0	--	0	--	25,305	94.99	17,360	125.10	134,315	105.22
3d quarter	84,378	141.83	0	--	0	--	39,950	137.03	10,126	89.65	157,593	118.47
4th quarter												
Total and average												
Mount Baker-Snoqualmie--												
1st quarter	23,550	117.64	0	--	0	--	27,030	55.36	18,650	34.15	92,150	64.21
2d quarter	16,810	177.34	0	--	0	--	25,990	82.24	5,570	70.88	60,924	106.07
3d quarter	26,905	103.40	0	--	0	--	52,365	34.03	2,710	92.43	81,980	58.73
4th quarter												
Total and average												
Olympic--												
1st quarter	17,970	138.33	0	--	0	--	45,500	48.86	1,610	37.99	78,845	72.78
2d quarter	12,835	76.89	0	--	0	--	23,415	60.19	0	--	42,247	63.25
3d quarter	19,105	62.81	0	--	0	--	58,830	42.77	7,900	47.04	100,671	46.00
4th quarter												
Total and average												

Table 45--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	52,270	142.58	0	--	0	--	80,730	57.22	27,560	63.98	203,045	78.79
2d quarter	98,545	130.12	0	--	0	--	74,710	79.65	22,930	111.93	237,486	97.97
3d quarter	130,388	122.32	0	--	0	--	151,145	64.66	20,736	73.78	340,244	85.29
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	413,114	138.72	3,900	76.67	1,450	109.37	135,898	56.17	43,780	49.39	770,444	96.35
2d quarter	497,832	158.52	5,360	67.38	6,994	137.21	159,126	72.41	56,880	72.88	875,019	121.71
3d quarter	708,164	143.84	27,410	103.99	9,700	151.10	233,613	58.40	49,356	54.22	1,219,692	109.49
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	2,220	12.43	13,014	241.45	0	--	4,010	33.22	36,649	94.18
2d quarter	0	--	4,250	25.80	16,780	121.88	0	--	7,110	22.62	54,960	46.28
3d quarter	0	--	6,950	41.73	34,450	196.14	0	--	10,810	39.82	61,930	121.81
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	14,510	156.33	0	--	1,300	17.66	18,550	126.10
2d quarter	0	--	0	--	36,608	179.48	0	--	20,153	37.92	61,841	124.69
3d quarter	0	--	0	--	16,328	171.95	0	--	11,730	106.68	38,608	120.35
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	5,100	6.00	43,500	177.94	0	--	1,100	1.00	50,740	153.19
2d quarter	0	--	10,980	12.89	40,210	152.73	0	--	6,310	18.56	61,870	104.34
3d quarter	0	--	9,600	13.87	49,407	210.49	0	--	8,810	25.38	72,747	148.16
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	6,630	22.80	51,740	251.39	0	--	4,130	13.48	62,500	211.42
2d quarter	0	--	2,700	6.00	42,950	163.61	0	--	1,700	1.00	47,350	148.78
3d quarter	0	--	5,000	8.97	43,290	226.58	0	--	1,300	7.16	49,590	198.89
4th quarter												
Total and average												
Umatilla--												
1st quarter	0	--	3,700	20.78	7,300	172.95	0	--	1,400	21.56	14,730	94.13
2d quarter	0	--	3,000	17.07	4,620	83.10	0	--	20,150	19.78	44,220	30.13
3d quarter	0	--	1,100	23.14	8,400	96.95	0	--	22,290	10.88	41,610	27.41
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	--	4,725	33.32	7,700	37.90	0	--	4,270	32.34	25,235	24.51
2d quarter	0	--	28,510	26.29	15,025	30.16	0	--	11,010	53.68	76,425	24.36
3d quarter	0	--	25,415	16.63	18,901	77.73	0	--	12,670	9.05	66,416	31.73
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	0	--	16,250	241.93	0	--	3,200	2.48	36,200	109.37
2d quarter	0	--	0	--	39,920	217.00	0	--	6,760	26.26	61,650	144.65
3d quarter	0	--	2,400	6.00	59,500	298.50	0	--	29,930	38.87	98,430	193.23
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	--	20,155	22.01	141,000	224.42	0	--	19,410	18.87	244,604	133.86
2d quarter	0	--	49,440	21.60	196,113	159.52	0	--	73,193	30.21	408,316	87.84
3d quarter	0	--	50,465	18.44	230,276	216.34	0	--	97,540	35.22	429,331	128.34
4th quarter												
Total and average												

Table 45--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washington:												
Colville--												
1st quarter	0	--	3,820	58.35	300	20.86	0	--	1,770	24.81	7,902	40.22
2d quarter	0	--	11,540	23.54	2,560	32.44	100	17.85	8,400	19.94	35,995	22.32
3d quarter	0	--	27,333	40.29	3,734	72.92	1,900	13.06	1,288	20.79	51,791	34.09
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	15,088	56.96	5,275	44.74	0	--	0	--	20,363	53.80
2d quarter	0	--	18,590	21.27	420	11.20	0	--	0	--	19,010	21.05
3d quarter	0	--	8,929	8.91	7,363	54.38	0	--	0	--	16,866	30.54
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	21,360	45.93	3,520	74.48	4,180	115.25	15,840	59.62	47,590	56.12
2d quarter	0	--	21,920	61.76	4,250	57.93	11,850	66.62	7,600	18.61	51,030	51.47
3d quarter	0	--	29,364	20.21	8,547	34.84	5,956	9.90	5,368	191.38	55,353	39.95
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	40,268	51.24	9,095	55.46	4,180	115.25	17,610	56.12	75,855	53.84
2d quarter	0	--	52,050	39.82	7,230	46.19	11,950	66.21	16,000	19.31	106,035	36.12
3d quarter	0	--	65,626	27.04	19,644	49.40	7,856	10.67	7,656	162.68	124,010	36.22
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	60,423	41.49	150,095	214.19	4,180	115.25	37,020	36.59	320,459	114.92
2d quarter	0	--	101,490	30.95	203,343	155.49	11,950	66.21	89,193	28.25	514,351	77.18
3d quarter	0	--	116,091	23.30	249,920	203.22	7,856	10.67	105,196	44.49	553,341	107.69
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	413,114	138.72	64,323	43.63	151,545	213.18	140,078	57.94	80,800	43.52	1,090,903	101.81
2d quarter	497,832	158.52	106,850	32.78	210,337	154.88	171,076	71.98	146,073	45.63	1,389,370	105.22
3d quarter	708,164	143.84	143,501	38.71	259,620	201.27	241,469	56.85	154,552	47.60	1,773,033	108.93
4th quarter												
Total and average												
All of Oregon:												
1st quarter	360,844	138.16	24,055	30.87	142,450	223.25	55,168	54.65	35,630	21.48	812,003	112.04
2d quarter	399,287	165.52	54,800	26.08	203,107	158.75	84,416	66.01	107,143	35.37	1,045,849	113.88
3d quarter	577,776	148.70	77,875	48.55	239,976	213.70	82,468	46.93	126,160	36.31	1,308,779	121.96
4th quarter												
Total and average												
All of Washington:												
1st quarter	52,270	142.58	40,268	51.24	9,095	55.46	84,910	60.07	45,170	60.91	278,900	72.00
2d quarter	98,545	130.12	52,050	39.82	7,230	46.19	86,660	77.79	38,930	73.86	343,521	78.88
3d quarter	130,388	122.32	65,626	27.04	19,644	49.40	159,001	61.99	28,392	97.75	464,254	72.18
4th quarter												
Total and average												

1/ Preliminary.

2/ Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

3/ Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 46–Volume of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 3d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
U.S. Forest Service 1/ 2/	163,700	71,429	79,994	58,411	51,110	9,635	5,888	104,790	60,622		
U.S. Bur. Land Manage.3/	32	1,270	0	0	66	0	0	252	0		
U.S. Bur. Indian Affairs	200	7,680	0	0	871	0	0	0	0		
State of Alaska	18,402	24,154	72,145	21,087	20,178	5,101	2,642	3,692	4,059		
Total	182,334	104,533	152,139	79,498	72,225	14,736	8,530	108,734	64,681		

1/ Excludes sales under $2,000.

2/ Convertible products only.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 47--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 3d qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
U.S. Forest Service 1/	46.91	32.03	14.82	15.95	6.97	6.44	15.07	4.89	14.05		
U.S. Bur. Land Manage.2/	34.00	28.08	--	--	9.47	--	--	46.37	--		
U.S. Bur. Indian Affairs	2.00	122.40	--	--	46.93	--	--	--	--		
State of Alaska	19.21	18.23	87.96	14.95	15.53	18.57	14.57	15.21	11.97		
Average	44.06	35.43	49.46	15.72	9.85	10.64	14.91	5.33	13.92		

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 48--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982	39.00	14.50	35.70	32.40
1983	29.00	6.70	8.90	14.60
1984	18.83	4.67	76.32	18.86
1985:				
1st quarter	18.56	7.72	192.17	31.78
2d quarter	26.40	4.40	5.73	9.38
3d quarter	18.70	3.94	1.16	6.67
4th quarter	13.94	5.48	2.57	5.42
1985 average	18.78	5.73	29.97	13.77
1986:				
1st quarter	22.05	17.71	7.77	16.75
2d quarter	11.60	24.15	9.89	20.58
3d quarter	22.82	3.81	34.72	20.85
4th quarter				
1986 average				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

Table 49--Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--east side		Pacific Northwest Region--west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume 2/	Value
1975	892.8	17.09	385.5	4.30	368.3	19.83	413.4	8.26	1,870.8	52.21	1,506.2	32.64	3,552.5	117.53	147.4	21.41
1976	872.0	32.96	290.7	7.70	293.4	33.01	290.5	16.42	1,425.0	77.87	1,134.9	60.01	2,489.3	124.41	15.8	21.80
1977	1,043.3	49.46	325.7	16.91	281.5	68.86	424.6	19.81	1,705.8	118.40	1,377.3	100.70	3,285.5	156.89	1.3	9.77
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	147.7	93.84
1981	1,033.7	57.45	417.7	8.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	165.7	46.47
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	74.0	31.37
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.5	22.25	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	80.1	14.82
1984	865.9	33.16	455.8	12.27	409.3	35.31	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	58.4	15.95
1985:																
1st qtr.	261.2	28.72	121.3	8.84	28.2	9.15	90.1	20.47	428.6	50.04	395.8	79.49	973.7	79.16	14.5	10.37
2d qtr.	292.4	27.41	172.2	8.48	65.8	18.09	73.1	11.10	401.8	49.84	346.7	67.62	628.3	72.92	8.6	8.05
3d qtr.	287.2	21.26	119.0	8.22	158.8	27.28	166.3	13.53	613.0	60.24	507.0	62.15	879.6	74.14	9.6	6.44
4th qtr.	107.6	28.77	31.1	10.34	40.2	11.48	98.8	15.85	159.3	75.01	192.5	79.50	344.8	86.25	18.4	4.09
Total or average	948.4	26.07	443.7	8.64	293.0	21.64	428.3	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986:																
1st qtr.	140.1	19.78	41.3	12.45	56.0	19.75	110.8	27.45	351.3	76.38	339.5	109.08	834.5	98.16	5.9	15.07
2d qtr.	329.9	23.60	109.2	25.55	118.7	32.35	131.9	19.34	279.7	74.32	581.5	68.90	936.7	115.91	104.8	4.89
3d qtr.	337.3	34.80	132.5	15.62	231.9	27.54	142.2	20.37	613.0	60.24	664.9	89.59	1,285.2	106.17	60.6	14.05
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern Region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

2/ Does not include long-term timber contracts.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 50--Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--east side		Pacific Northwest Region--west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	840.3	26.85	245.1	10.60	394.0	30.35	356.7	28.19	1,508.7	45.19	1,408.3	38.12	2,356.3	71.04	413.1	8.17
1976	1,101.1	40.83	305.0	17.20	396.8	50.25	468.7	55.17	1,889.6	69.38	1,537.7	64.42	2,858.2	95.01	472.2	6.31
1977	1,008.0	43.25	311.0	16.72	412.1	52.82	431.4	51.95	1,801.3	90.81	1,393.4	86.43	2,720.2	116.41	491.3	3.82
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	54.46	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.7	16.42
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.85
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	44.06	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.8	31.14	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	249.1	14.91
1985:																
1st qtr.	156.3	38.81	73.0	14.13	42.6	42.02	38.7	30.34	129.4	76.36	351.2	130.20	466.4	116.94	26.5	10.09
2d qtr.	140.6	33.03	31.2	17.83	76.2	36.48	51.0	27.85	465.4	83.78	244.3	76.21	748.2	90.39	70.9	4.74
3d qtr.	389.5	28.76	125.1	12.61	141.1	47.35	168.6	14.72	751.3	66.17	594.1	61.15	1,035.9	86.95	76.2	-42.71
4th qtr.	305.6	47.44	142.8	12.93	166.8	49.16	179.9	14.34	469.4	71.74	586.9	90.43	733.4	65.69	92.0	-1.42
Total or average	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.28	265.6	-10.47
1986:																
1st qtr.	160.7	42.97	81.6	17.05	60.0	38.57	61.8	15.82	126.9	127.06	310.2	99.45	474.4	90.84	33.4	6.29
2d qtr.	164.6	42.32	122.4	9.72	98.6	44.65	55.8	20.77	499.3	86.95	357.0	93.25	837.0	100.59	59.6	2.47
3d qtr.	393.1	34.99	64.7	23.18	160.1	46.05	164.0	14.29	751.3	66.17	613.0	80.52	1,053.3	91.93	106.4	2.72
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

Note: Negative stumpage value caused by emergency rate redeterminations.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 51--Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1977-87

(In million board feet, Scribner scale)

Fiscal year	Oregon 1/	Washington	Total
1977	3,112	1,359	4,471
1978	3,357	1,455	4,812
1979	3,609	1,581	5,190
1980	3,690	1,542	5,232
1981	3,676	1,526	5,202
1982	3,681	1,527	5,208
1983	3,389	1,323	4,712
1984	3,608	1,320	4,928
1985	3,457	1,253	4,710
1986	3,469	1,216	4,685
1987	3,874	1,279	5,153

1/ This figure includes California volumes for Rogue River and Siskiyou National Forests; this also includes Washington volume for Umatilla National Forest.

Table 52--Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1975-86

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	4	13,855	0	--	5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0	--	1	15,200	7	68,250	0	--	2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0	--	10	70,450	15	76,379
1978	4	43,500	0	--	1	357	15	161,500	0	--	0	--	20	83,836
1979	5	42,760	4	2,150	11	79,460	0	--	0	--	19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0	--	18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982	10	38,460	9	9,580	8	13,440	18	30,920	0	--	12	4,400	31	16,246
1983	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905
1984	4	3,480	2	3,429	4	17,800	42	42,473	1	545	7	10,510	17	4,882
1985	4	2,896	8	45,616	6	36,960	12	8,960	4	1,060	12	5,025	18	48,940
1986:														
1st qtr.	3	1,022	2	7,214	2	16,200	0	--	0	--	2	1,060	1	130
2d qtr.	0	--	2	10,240	1	9,800	5	4,190	1	130	3	320	1	95
3d qtr.	0	--	3	22,840	1	1,800	4	2,990	1	82	13	56,150	2	1,230
4th qtr.														
1986 total														

Year and quarter	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Siuslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	3	39,550	2	21,000	8	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0	--	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0	--	6	44,615	47	171,251	13	62,300	39	231,303	0	--
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29,755	15	2,951	5	32,400
1984	0	--	0	--	2	1,480	22	23,005	15	77,305	8	1,524	2	5,400
1985	0	--	2	10,200	1	250	10	11,396	9	4,980	8	2,907	1	1,300
1986:														
1st qtr.	0	--	0	--	1	1,700	0	--	0	--	4	709	0	--
2d qtr.	4	35,100	2	18,100	4	5,355	8	54,080	1	540	3	1,331	1	10,700
3d qtr.	5	39,600	0	--	2	968	11	40,320	3	1,730	15	83,422	0	--
4th qtr.														
1986 total														

Year and quarter	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	29	146,668	0	--	2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0	--	0	--	19	121,100	5	38,040	118	603,565
1977	29	128,705	0	--	0	--	48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0	--	0	--	33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0	--	5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19,000	206	285,052
1985	72	9,668	9	4,820	11	34,772	34	21,828	0	--	221	251,578
1986:												
1st qtr	14	2,170	1	135	2	13,630	10	5,925	0	--	42	49,895
2d qtr.	0	--	3	695	1	840	14	24,730	4	33,620	58	209,866
3d qtr.	1	470	3	1,885	1	58	19	71,889	3	23,000	84	348,434
4th qtr.												
1986 total												

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

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Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives — as directed by Congress — to provide increasingly greater service to a growing Nation.

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Pacific Northwest Research Station
319 S.W. Pine St.
P.O. Box 3890
Portland, Oregon 97208

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Timber Resource Statistics for Non-Federal Forest Land in West-Central Oregon

Donald R. Gedney, Patricia M. Bassett, and Mary A. Mei

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AUTHORS

Donald R. Gedney is a resource analyst, and Patricia M. Bassett and Mary A. Mei are programmer/analysts with the Pacific Northwest Research Station, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

ABSTRACT

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This report summarizes a 1985-86 timber resource inventory of the non-Federal forest land in the four counties (Benton, Lane, Lincoln, and Linn) in west-central Oregon. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Oregon (west-central).

SUMMARY

The west-central Oregon resource area totals 5,504,000 acres, of which non-Federal forest land totals 1,869,000 acres. An estimated 1,827,000 acres are classified as non-Federal timberland. The non-Federal timberland has an estimated 5.6 billion cubic feet of standing timber, and 62 percent of this volume is owned by forest industry.

PREFACE

Forest Inventory and Analysis (formerly Forest Survey) is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service research and experiment stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for inventories in Alaska, California, Hawaii, Oregon, and Washington.

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INTRODUCTION

This report presents statistics from the latest inventory of non-Federal timber resources for the four counties (Benton, Lane, Lincoln, and Linn) in west-central Oregon. The west-central Oregon area was first inventoried in 1930-32; subsequent inventories were taken in 1940-43, 1961-62, and 1975.

Field data for all non-Federal forest lands were collected in the summers of 1985-86 by the Forest Inventory and Analysis Work Unit (FIA) of the Pacific Northwest Research Station. Data for the Federal timber resources--National Forest (U.S. Department of Agriculture, Forest Service) and Bureau of Land Management (U.S. Department of the Interior)--will be presented, with the non-Federal data, in a later report.

Scientific names of trees (Little 1979) are listed on page 8 of this report. See "Terminology" for definitions of terms used in this report.

INVENTORY PROCEDURES

For all non-Federal lands, the sampling design was double sampling for stratification (Cochran 1963). Owner group, major land classes (timberland, other forest, nonforest), and forest condition classes (stage of development, major type, broad stocking class) were identified on 6,171 photo points. This photo sample was subsampled with a grid of 384 field plots established in 1961-62 and remeasured in 1975. In these inventories, a cluster of 10 variable radius points distributed over about 1 acre was established at each timberland location.

In 1983, a sample of these 10-point plots was remeasured to provide data on growth and mortality. These data were used to project tree diameters and heights on 24 undisturbed hardwood plots that were not remeasured for the current inventory. All other timberland locations were revisited in 1985-86, and a new cluster of five points sampling about 8 acres was established. The field plots were the basis for estimates of timber volume, growth, mortality, and area attributes such as forest type, site class, and stand-size class.

RELIABILITY OF INVENTORY DATA

All area and volume statistics for non-Federal forested areas are based on sampling and are subject to sampling error. Confidence intervals (68-percent probability) for the estimated timberland area, cubic-foot volume, and gross annual cubic-foot growth by owner class are as follows:

Owner	Timberland area	Net volume	Gross annual growth
	(Thousand acres)	(Million cubic feet)	
Other public	109 ± 7	710 ± 172	16 ± 3
Forest industry	1,270 ± 26	3,487 ± 218	173 ± 10
Farmer and miscellaneous private	449 ± 17	1,426 ± 136	57 ± 6
All owners	1,827 ± 28	5,623 ± 305	246 ± 11

Confidence intervals are quantitative expressions of the reliability of the timberland area, volume, and growth statistics. The above tabulation, for instance, indicates a two-in-three (68-percent) chance that the timberland area for all owners is within the range of 1,827,000 ± 28,000 (1,799,000 to 1,855,000) acres.

Confidence intervals vary by both the size of the estimate and the variance of the item being estimated. If variance is assumed constant, confidence intervals can be approximated for estimates of various sizes. The confidence interval guides that follow are based on the assumption that an average relation exists between variance and the size of the estimates, and thus they provide only an approximation of the reliability of individual estimates.

The following tabulations approximate confidence bounds for table cells of various sizes in this report.

Timberland area	Confidence interval: By owner	Confidence interval: By type or class
	(Thousand acres)	
1,000	±25	±65
800	±22	±59
600	±19	±52
400	±15	±43
200	±10	±31
100	± 7	±23
50	± 5	±17
25	± 3	±12
15	± 2	±10
10	± 2	± 8

Growing stock volume and confidence interval (Million cubic feet)	Gross growth and confidence interval (Thousand cubic feet)
4,000 ± 229	200,000 ± 11,033
2,000 ± 174	100,000 ± 8,261
1,000 ± 128	50,000 ± 6,186
800 ± 112	25,000 ± 4,187
600 ± 95	15,000 ± 3,028
400 ± 75	10,000 ± 2,341
200 ± 50	5,000 ± 1,508
100 ± 33	1,000 ± 543
50 ± 22	500 ± 350
25 ± 15	100 ± 100
15 ± 11	
10 ± 9	
5 ± 5	

Actual confidence intervals have been calculated for the tabular data in this report; they are available on request from the Forest Inventory and Analysis Research Work Unit, Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208.

TERMINOLOGY

Bureau of Land Management lands--Federal lands administered by the Bureau of Land Management, U.S. Department of the Interior.

Class of timber--A classification of trees as growing stock, cull, and salvable dead. Growing-stock trees are divided into poletimber and sawtimber trees.

County and municipal lands--Lands owned by county and other local public agencies.

Cull trees--Live trees of noncommercial species, or live trees of commercial species that are more than 75 percent defective and are unlikely to become growing stock.

Cull trees, rotten--Cull trees with defect caused primarily by rot.

Cull trees, sound--Trees of noncommercial species or cull trees of commercial species with defect caused primarily by poor form and roughness.

Diameter class--A classification of trees based on diameter outside the bark measured at breast height, 4-1/2 feet above the ground. D.b.h. is the common abbreviation for "diameter at breast height."

Farmer--Lands owned by an individual or corporate owner who produces agricultural products but does not meet the definition of a forest industry.

Forest industry lands--
With mills: lands owned by companies or individuals that operate wood-using plants.
Without mills: lands owned by companies or individuals that manage forests for timber production but do not operate mills.

Forest land--Land at least 10 percent stocked by live trees or land formerly having such tree cover and not currently developed for nonforest use.

Forest land, reserved--Forest land withdrawn from timber production through statute or ordinance. Included are National, State, and county parks; and other reserved lands.

Forest types--Stands with 50-percent or more stocking in live conifer trees classed as softwood types; stands with a majority of stocking in live hardwood trees classed as hardwood types. The individual forest type is determined by plurality of stocking by species of live softwood or hardwood trees.

Gross annual growth--The increase in volume of trees during a specified year. Components of gross annual growth of trees: (a) the increment in sound volume of trees alive at the beginning of a specified year and surviving to the year's end, plus (b) the sound volume of trees reaching sawtimber or poletimber size during the year.

Growing-stock trees--All live trees except cull trees.

Growing-stock volume--Net volume in cubic feet of live sawtimber and poletimber growing-stock trees from stump to a minimum 4-inch top (of central stem) outside the bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Hardwoods--Trees that are angiosperms, usually broad leaved and deciduous.

Land area--Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water such as marshes, swamps, and river flood plains; streams, sloughs, and canals less than one-eighth mile wide; and lakes, reservoirs, and ponds less than 40 acres in area.

Land class--A classification of land by major use. The minimum area for classification is 1 acre.

Mean annual increment--A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. For a given species and site index, the average is based on the age at which the mean annual increment culminates for fully stocked stands. When productivity is calculated, nonforest inclusions of less than 1 acre are excluded.

Miscellaneous Federal lands--Federal lands other than lands administered by the Forest Service or the Bureau of Land Management.

Miscellaneous private owners--All private owners not otherwise classified.

Mortality--Volume of sound wood in trees dying from natural causes during a specified period.

National Forest lands--Federal lands that have been designated by Executive Order or statute as National Forest or purchase units and other lands under the administration of the Forest Service, U.S. Department of Agriculture, including experimental areas and Bankhead-Jones Title III lands.

Noncommercial species--A tree species not suitable for industrial wood products.

Non-Federal lands--Includes all land except lands owned or managed by the Forest Service, U.S. Department of Agriculture, and by the Bureau of Land Management, U.S. Department of the Interior. Includes miscellaneous Federal lands.

Nonforest land--Land that has never supported forests or was formerly forested and is currently developed for nonforest uses. Included are lands used for agricultural crops, Christmas tree farms, improved pasture, residential areas, city parks, constructed roads, operating railroads and their right-of-way clearings, powerline and pipeline clearings, streams more than 30 feet wide, and 1- to 40-acre areas of water classified by the Bureau of the Census, U.S. Department of Commerce, as land. If intermingled in forest areas, unimproved roads and other nonforest strips must be more than 120 feet wide, and clearings or other areas must be 1 acre or larger to qualify as nonforest land.

Nonstocked areas--Timberland less than 10 percent stocked with growing-stock trees.

Other forest land--Forest land incapable of producing 20 cubic feet per acre per year of industrial wood because of adverse site conditions such as sterile soils, dry climate, poor drainage, high elevation, steepness, or rockiness.

Other public lands--Lands administered by public agencies other than the Forest Service, U.S. Department of Agriculture, or the Bureau of Land Management, U.S. Department of the Interior.

Poletimber stands--Stands with a mean diameter (weighted by basal area) from 5.0 to 9.0 inches if softwood and from 5.0 to 11.0 inches if hardwood.

Poletimber trees--Live trees of commercial species at least 5.0 inches in d.b.h. but smaller than sawtimber size, and of good form and vigor.

Roundwood--Logs, bolts, or other round sections cut from trees.

Salvable dead trees--Standing or down trees of commercial species, at least 9.0 inches in d.b.h. for softwoods and at least 11.0 inches in d.b.h. for hardwoods, containing 25 percent or more sound wood volume and at least one merchantable 12-foot log if softwood or one merchantable 8-foot log if hardwood.

Sapling and seedling stands--Stands with a mean diameter (weighted by basal area) less than 5.0 inches.

Sapling and seedling trees--Live trees of commercial species less than 5.0 inches in d.b.h., with no diseases, defects, or deformities likely to prevent their becoming poletimber trees.

Saw-log portion--The bole of sawtimber trees between the stump and the saw-log top.

Sawtimber stands--Stands with a mean diameter (weighted by basal area) at least 9.0 inches if softwood and at least 11.0 inches if hardwood.

Sawtimber trees--Live softwood trees of commercial species at least 9.0 inches in d.b.h. and live hardwood trees of commercial species at least 11.0 inches in d.b.h. At least 25 percent of the board-foot volume in a sawtimber tree must be free from defect. Softwood trees must contain at least one 12-foot saw log with a top diameter of not less than 6 inches inside bark; hardwood trees must contain at least one 8-foot saw log with a top diameter of not less than 8 inches inside bark.

Sawtimber volume--Net volume of sawtimber trees measured in board feet. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Scribner rule--The common board-foot log rule used locally in determining volume of sawtimber. Scribner volume is estimated in terms of 32-foot logs for conifers and 16-foot logs for hardwoods.

Site class--A classification of the potential productivity of forest land in terms of mean annual increment.

Site index--A measure of the productivity of forest land in terms of the average height of dominant and codominant trees at a specified age.

Softwoods--Coniferous trees, usually evergreen, with needles or scalelike leaves.

State lands--Lands owned by States or administered by State agencies.

Timber harvest--Volume of roundwood removed from forest land for products.

Timber volume--Includes the net volume in cubic feet of poletimber and sawtimber trees and salvable dead sawtimber trees of all species, the net volume in cubic feet of cull trees of commercial species, and gross volume of noncommercial species. Volume is measured from stump to a minimum 4-inch top outside the bark.

Timberland--Forest land capable of producing 20 cubic feet or more per acre per year of industrial wood, and not withdrawn from timber utilization.

Timberland, reserved--Private or public land withdrawn from timber utilization through statute, ordinance, or administrative order but which otherwise qualifies as timberland.

Upper-stem portion--The bole of sawtimber trees above the saw-log top--7.0 inches outside the bark for softwoods and 9.0 inches outside the bark for hardwoods--to a minimum top diameter of 4.0 inches outside the bark, or to the point where the central stem breaks into limbs.

NAMES OF TREES

Common name	Scientific name
Softwoods:	
Douglas-fir	*Pseudotsuga menziesii* (Mirb.) Franco
Grand fir	*Abies grandis* (Dougl. ex D. Don.) Lindl.
Incense-cedar	*Libocedrus decurrens* Torr.
Lodgepole pine	*Pinus contorta* Dougl. ex Loud. var. *latifolia* Engelm.
Noble fir	*Abies procera* Rehd.
Pacific silver fir	*Abies amabilis* Dougl. ex Forbes
Ponderosa pine	*Pinus ponderosa* Dougl. ex Laws.
Port-Orford-cedar	*Chamaecyparis lawsoniana* (A. Murr.) Parl.
Sitka spruce	*Picea sitchensis* (Bong.) Carr.
Western hemlock	*Tsuga heterophylla* (Raf.) Sarg.
Western redcedar	*Thuja plicata* Donn ex D. Don
Western white pine	*Pinus monticola* Dougl. ex D. Don
Hardwoods:	
Bigleaf maple	*Acer macrophyllum* Pursh
Bitter cherry	*Prunus emarginata* Dougl. ex Eaton
Black cottonwood	*Populus trichocarpa* Torr. & Gray
California black oak	*Quercus kelloggii* Newb.
Giant chinkapin	*Castanopsis chrysophylla* (Dougl.) A. DC.
Oregon ash	*Fraxinus latifolia* Benth.
Oregon white oak	*Quercus garryana* Dougl. ex Hook.
Pacific madrone	*Arbutus menziesii* Pursh
Red alder	*Alnus rubra* Bong.

TABLE 1--AREA OF NON-FEDERAL LAND BY LAND CLASS AND COUNTY, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

LAND CLASS	BENTON	LANE	LINCOLN	LINN	ALL COUNTIES
			THOUSAND ACRES		
FOREST LAND:					
TIMBERLAND	187	821	343	477	1,827
RESERVED TIMBERLAND	--	3	1	1	5
OTHER FOREST	3	15	9	9	36
TOTAL	190	839	353	487	1,869
NONFOREST LAND 3/	169	380	81	425	1,055
ALL CLASSES 4/	359	1,219	434	912	2,924

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways; and water as classified by Forest Inventory and Analysis standards but defined by the Bureau of the Census as land.

4/Source: United States Bureau of the Census, Land and Water of the United States, 1980.

TABLE 2--AREA OF NON-FEDERAL TIMBERLAND BY OWNER AND COUNTY, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

OWNER	BENTON	LANE	LINCOLN	LINN	ALL COUNTIES
			THOUSAND ACRES		
OTHER PUBLIC:					
OTHER FEDERAL	3	2	--	4	9
STATE	23	24	24	22	93
COUNTY AND MUNICIPAL	3	1	1	2	7
TOTAL	29	27	25	28	109
PRIVATE:					
FOREST INDUSTRY--					
WITH MILL	84	480	216	293	1,074
WITHOUT MILL	18	88	37	54	196
OTHER PRIVATE--					
FARMER	15	52	14	59	140
MISCELLANEOUS	41	174	51	44	310
TOTAL	158	794	318	450	1,720
ALL OWNERS	187	821	343	477	1,827

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 3--AREA OF NON-FEDERAL STOCKABLE TIMBERLAND BY SITE CLASS AND OWNER, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

SITE CLASS 3/	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
CUBIC FEET	- - - - - - - - - - - - THOUSAND ACRES - - - - - - - - - - - -				
225 OR MORE	--	44	11	5	60
165 TO 224	72	309	38	124	543
120 TO 164	27	520	124	195	866
85 TO 119	9	162	23	94	288
50 TO 84	--	30	--	28	59
20 TO 49	--	--	--	--	--
ALL CLASSES	109	1,065	196	446	1,815

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands. The areas shown here exclude 12,000 acres of included nonforest land less than 1 acre.

TABLE 4--AREA OF NON-FEDERAL TIMBERLAND BY STAND-SIZE CLASS AND OWNER, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

STAND-SIZE CLASS	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND ACRES			
SAWTIMBER STANDS:					
LARGE SAWTIMBER 3/	48	63	8	30	149
SMALL SAWTIMBER 4/	40	421	125	276	862
TOTAL	88	484	133	306	1,011
POLETIMBER STANDS	--	172	7	60	239
SAPLING AND SEEDLING STANDS	21	403	40	59	523
NONSTOCKED AREAS	--	15	16	25	55
ALL CLASSES	109	1,074	196	449	1,827

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 21.0-inch d.b.h. and larger.

4/Includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

TABLE 5--AREA OF NON-FEDERAL TIMBERLAND BY FOREST TYPE AND OWNER, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

FOREST TYPE	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND ACRES			
DOUGLAS-FIR	95	761	112	264	1,231
WESTERN HEMLOCK	--	116	14	16	146
SITKA SPRUCE	--	7	--	14	21
WESTERN REDCEDAR	--	7	7	5	19
GRAND FIR	--	7	7	--	14
PACIFIC SILVER FIR	--	7	--	--	7
NOBLE FIR	--	7	--	--	7
PONDEROSA PINE	--	7	--	--	7
RED ALDER	13	116	33	54	216
BIGLEAF MAPLE	--	23	7	37	67
OREGON WHITE OAK	--	--	--	22	22
CALIFORNIA BLACK OAK	--	--	--	7	7
OREGON ASH	--	--	--	6	6
NONSTOCKED	--	15	16	25	55
ALL TYPES	109	1,074	196	449	1,827

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 6--AREA OF NON-FEDERAL RESERVED TIMBERLAND AND OTHER FOREST LAND BY LAND CLASS, FOREST TYPE, AND OWNER, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

LAND CLASS AND FOREST TYPE	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND ACRES			
TIMBERLAND, RESERVED:					
DOUGLAS-FIR	4	--	--	--	4
SITKA SPRUCE	1	--	--	--	1
RED ALDER	1	--	--	--	1
ALL TIMBERLAND, RESERVED	6	--	--	--	6
OTHER FOREST LAND:					
DOUGLAS-FIR	--	7	--	--	7
OREGON WHITE OAK	--	11	--	--	11
UNCLASSIFIED	--	7	--	10	17
ALL OTHER FOREST LAND	--	25	--	10	35

-- = none found or less than 500 acres.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 7--VOLUME OF TIMBER ON NON-FEDERAL TIMBERLAND BY CLASS OF TIMBER AND BY SOFTWOODS AND HARDWOODS, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
		MILLION CUBIC FEET	
SAWTIMBER TREES:			
SAW-LOG PORTION	4,085	525	4,611
UPPER-STEM PORTION	130	194	324
TOTAL	4,215	720	4,935
POLETIMBER TREES	377	311	688
ALL GROWING STOCK	4,592	1,031	5,623
SOUND CULL TREES	22	58	80
ROTTEN CULL TREES	6	52	58
SALVABLE DEAD TREES	83	3	86
ALL TIMBER	4,703	1,144	5,847

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 8--VOLUME OF GROWING STOCK AND SAWTIMBER ON NON-FEDERAL TIMBERLAND BY OWNER AND BY SOFTWOODS AND HARDWOODS, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

CLASS OF TIMBER AND OWNER	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - MILLION CUBIC FEET - - - -		
GROWING STOCK: 3/				
OTHER PUBLIC	6,514	634	76	710
FOREST INDUSTRY--				
WITH MILLS	2,637	2,483	348	2,832
WITHOUT MILLS	3,342	493	163	655
FARMER AND MISCELLANEOUS PRIVATE	3,176	983	444	1,426
ALL OWNERS	3,078	4,592	1,031	5,623
	BOARD FEET PER ACRE	- - - - MILLION BOARD FEET - - - -		
SAWTIMBER (SCRIBNER RULE): 4/				
OTHER PUBLIC	30,165	3,012	276	3,288
FOREST INDUSTRY--				
WITH MILLS	9,349	9,248	793	10,041
WITHOUT MILLS	11,821	1,831	486	2,317
FARMER AND MISCELLANEOUS PRIVATE	10,474	3,722	981	4,703
ALL OWNERS	11,138	17,813	2,536	20,349

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 5.0-inch d.b.h. and larger.

4/Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

TABLE 9--VOLUME OF GROWING STOCK AND SAWTIMBER ON NON-FEDERAL TIMBERLAND BY OWNER AND COUNTY, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

OWNER	BENTON	LANE	LINCOLN	LINN	ALL COUNTIES
			MILLION CUBIC FEET		
GROWING STOCK: 3/					
OTHER PUBLIC	188	162	154	206	710
FOREST INDUSTRY--					
WITH MILL	260	1,258	525	788	2,832
WITHOUT MILL	62	292	130	170	655
FARMER AND MISCELLANEOUS PRIVATE	177	679	226	344	1,426
ALL OWNERS	687	2,392	1,035	1,509	5,623
			MILLION BOARD FEET		
SAWTIMBER (SCRIBNER RULE): 4/					
OTHER PUBLIC	869	753	707	960	3,288
FOREST INDUSTRY--					
WITH MILL	915	4,425	1,801	2,901	10,041
WITHOUT MILL	214	1,013	459	631	2,317
FARMER AND MISCELLANEOUS PRIVATE	595	2,274	699	1,135	4,703
ALL OWNERS	2,592	8,465	3,666	5,627	20,349

1/Subject to sampling error.

2/Totals may be off because of rounding.

3/Includes trees 5.0-inch d.b.h. and larger.

4/Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

TABLE 10--VOLUME OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		MILLION CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	623	1,779	344	704	3,450
WESTERN HEMLOCK	11	518	72	92	693
SITKA SPRUCE	--	78	21	103	202
WESTERN REDCEDAR	--	66	29	18	113
GRAND FIR	--	32	26	53	110
INCENSE-CEDAR	--	6	--	1	6
PONDEROSA PINE	--	3	--	3	6
LODGEPOLE PINE	--	--	--	4	4
PORT-ORFORD-CEDAR	--	1	--	2	3
NOBLE FIR	--	2	--	--	2
PACIFIC SILVER FIR	--	1	--	1	1
WESTERN WHITE PINE	--	--	--	1	1
TOTAL	634	2,483	493	983	4,592
HARDWOODS:					
RED ALDER	40	244	104	172	561
BIGLEAF MAPLE	30	65	51	104	249
OREGON WHITE OAK	--	7	1	119	127
OREGON ASH	--	3	--	17	21
CALIFORNIA BLACK OAK	--	--	--	21	21
GIANT CHINKAPIN	6	11	4	--	20
PACIFIC MADRONE	--	10	--	4	13
BLACK COTTONWOOD	--	6	--	4	10
BITTER CHERRY	--	2	3	3	8
TOTAL	76	348	163	444	1,031
ALL SPECIES	710	2,832	655	1,426	5,623

-- = none found or less than 500,000 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 11--VOLUME OF SAWTIMBER ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		MILLION BOARD FEET, SCRIBNER RULE			
SOFTWOODS:					
DOUGLAS-FIR	2,987	6,770	1,302	2,590	13,649
WESTERN HEMLOCK	26	1,818	244	321	2,410
SITKA SPRUCE	--	339	76	518	934
WESTERN REDCEDAR	--	205	98	60	363
GRAND FIR	--	80	109	206	396
INCENSE-CEDAR	--	14	--	2	16
PONDEROSA PINE	--	8	--	8	17
LODGEPOLE PINE	--	--	--	9	9
PORT-ORFORD-CEDAR	--	2	--	2	4
NOBLE FIR	--	10	--	--	10
PACIFIC SILVER FIR	--	2	--	--	2
WESTERN WHITE PINE	--	--	--	5	5
TOTAL	3,012	9,248	1,831	3,722	17,813
HARDWOODS:					
RED ALDER	165	558	345	470	1,537
BIGLEAF MAPLE	111	168	131	272	682
OREGON WHITE OAK	--	11	--	139	150
OREGON ASH	--	--	--	22	22
CALIFORNIA BLACK OAK	--	--	--	40	40
GIANT CHINKAPIN	--	21	5	--	27
PACIFIC MADRONE	--	13	--	--	14
BLACK COTTONWOOD	--	21	--	23	44
BITTER CHERRY	--	--	5	15	20
TOTAL	276	793	486	981	2,536
ALL SPECIES	3,288	10,041	2,317	4,703	20,349

-- = none found or less than 500,000 board feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 12--VOLUME OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND DIAMETER CLASS, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION CUBIC FEET										
SOFTWOODS:											
DOUGLAS-FIR	95	180	238	263	295	291	298	285	662	843	3,450
WESTERN HEMLOCK	24	53	94	104	76	57	74	35	107	68	693
SITKA SPRUCE	1	--	5	7	4	11	11	8	21	134	202
WESTERN REDCEDAR	3	4	5	8	9	7	8	14	23	32	113
GRAND FIR	2	9	11	20	12	9	6	15	18	10	110
INCENSE-CEDAR	--	--	--	1	--	1	--	--	1	2	6
PONDEROSA PINE	1	--	1	--	--	--	--	1	2	1	6
LODGEPOLE PINE	1	1	--	1	2	--	--	--	--	--	4
PORT-ORFORD-CEDAR	--	1	1	--	--	--	--	--	1	--	3
NOBLE FIR	--	--	--	--	--	--	--	--	--	2	2
PACIFIC SILVER FIR	1	--	1	--	--	--	--	--	--	--	1
WESTERN WHITE PINE	--	--	--	--	--	1	--	--	--	--	1
TOTAL	128	249	356	404	397	377	397	357	834	1,094	4,592
HARDWOODS:											
RED ALDER	33	94	88	104	60	54	42	31	48	7	561
BIGLEAF MAPLE	13	11	14	31	33	22	26	12	48	38	249
OREGON WHITE OAK	1	9	11	22	13	11	13	9	22	16	127
OREGON ASH	3	--	--	1	1	2	--	3	9	--	21
CALIFORNIA BLACK OAK	--	3	2	1	3	4	1	2	5	--	21
GIANT CHINKAPIN	2	6	6	--	3	1	1	--	1	--	20
PACIFIC MADRONE	3	6	1	--	2	--	--	--	3	--	13
BLACK COTTONWOOD	--	--	2	--	2	2	--	--	--	4	10
BITTER CHERRY	--	1	2	1	1	--	--	2	--	--	8
TOTAL	56	130	125	160	117	98	84	59	137	65	1,031
ALL SPECIES	184	379	481	565	515	475	480	416	971	1,158	5,623

-- = none found or less than 500,000 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 13--VOLUME OF SAWTIMBER ON NON-FEDERAL TIMBERLAND BY SPECIES AND DIAMETER CLASS, WEST-CENTRAL OREGON, JANUARY 1, 1987 1/ 2/

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 AND LARGER	ALL CLASSES
	MILLION BOARD FEET, SCRIBNER RULE								
SOFTWOODS:									
DOUGLAS-FIR	586	822	1,073	1,149	1,241	1,241	3,116	4,421	13,649
WESTERN HEMLOCK	244	342	286	234	321	157	498	327	2,410
SITKA SPRUCE	13	21	12	35	36	26	77	714	934
WESTERN REDCEDAR	11	20	27	24	26	53	84	119	363
GRAND FIR	28	66	46	34	25	63	87	47	396
INCENSE-CEDAR	--	2	--	3	--	--	2	9	16
PONDEROSA PINE	1	--	--	--	--	3	8	4	17
LODGEPOLE PINE	--	3	5	--	--	--	--	--	9
PORT-ORFORD-CEDAR	2	--	--	--	--	--	2	--	4
NOBLE FIR	--	--	--	--	--	--	--	10	10
PACIFIC SILVER FIR	2	--	--	--	--	--	--	--	2
WESTERN WHITE PINE	--	--	--	5	--	--	--	--	5
TOTAL	887	1,276	1,449	1,483	1,649	1,544	3,874	5,650	17,813
HARDWOODS:									
RED ALDER	--	397	264	255	201	145	243	33	1,537
BIGLEAF MAPLE	--	108	121	77	90	40	147	99	682
OREGON WHITE OAK	--	30	20	19	18	8	27	28	150
OREGON ASH	--	1	1	2	--	3	14	--	22
CALIFORNIA BLACK OAK	--	2	5	9	4	5	15	--	40
GIANT CHINKAPIN	--	--	9	6	6	--	5	--	27
PACIFIC MADRONE	--	--	6	--	--	--	7	--	14
BLACK COTTONWOOD	--	--	10	11	--	--	--	23	44
BITTER CHERRY	--	3	5	--	--	12	--	--	20
TOTAL	--	541	443	379	319	213	458	182	2,536
ALL SPECIES	887	1,817	1,893	1,862	1,968	1,757	4,332	5,833	20,349

-- = none found or less than 500,000 board feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 14--GROSS ANNUAL GROWTH OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY OWNER AND BY SOFTWOODS AND HARDWOODS, WEST-CENTRAL OREGON, 1986 1/ 2/

OWNER	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	CUBIC FEET PER ACRE	- - - - THOUSAND CUBIC FEET - - - -		
OTHER PUBLIC	146	14,230	1,701	15,931
FOREST INDUSTRY:				
WITH MILLS	134	127,810	15,731	143,542
WITHOUT MILLS	151	24,714	4,811	29,525
FARMER AND MISCELLANEOUS PRIVATE	127	43,165	13,770	56,935
ALL OWNERS	135	209,920	36,013	245,933

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 15--GROSS ANNUAL GROWTH OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, WEST-CENTRAL OREGON, 1986 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	13,502	88,878	17,521	32,587	152,489
WESTERN HEMLOCK	728	30,519	4,021	4,549	39,817
SITKA SPRUCE	--	3,288	1,318	2,136	6,742
WESTERN REDCEDAR	--	2,752	967	723	4,442
GRAND FIR	--	1,802	887	2,581	5,271
INCENSE-CEDAR	--	189	--	21	210
PONDEROSA PINE	--	177	--	151	328
LODGEPOLE PINE	--	--	--	229	229
PORT-ORFORD-CEDAR	--	33	--	86	119
NOBLE FIR	--	86	--	--	86
PACIFIC SILVER FIR	--	86	--	60	146
WESTERN WHITE PINE	--	--	--	42	42
TOTAL	14,230	127,810	24,714	43,165	209,920
HARDWOODS:					
RED ALDER	1,016	12,156	3,128	6,675	22,974
BIGLEAF MAPLE	524	1,966	1,301	3,466	7,258
OREGON WHITE OAK	--	100	72	2,404	2,575
OREGON ASH	--	199	--	451	650
CALIFORNIA BLACK OAK	--	--	--	462	462
GIANT CHINKAPIN	161	488	144	--	793
PACIFIC MADRONE	--	387	--	127	513
BLACK COTTONWOOD	--	355	--	77	433
BITTER CHERRY	--	81	167	108	355
TOTAL	1,701	15,731	4,811	13,770	36,013
ALL SPECIES	15,931	143,542	29,525	56,935	245,933

-- = none found or less than 500 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 16--AVERAGE ANNUAL MORTALITY OF GROWING STOCK ON NON-FEDERAL TIMBERLAND BY SPECIES AND OWNER, WEST-CENTRAL OREGON, 1986 1/ 2/

SPECIES	OTHER PUBLIC	FOREST INDUSTRY		FARMER AND MISCELLANEOUS PRIVATE	ALL OWNERS
		WITH MILLS	WITHOUT MILLS		
		THOUSAND CUBIC FEET			
SOFTWOODS:					
DOUGLAS-FIR	1,833	5,696	1,022	2,097	10,648
WESTERN HEMLOCK	42	1,562	229	309	2,142
SITKA SPRUCE	--	230	62	287	579
WESTERN REDCEDAR	--	208	78	52	339
GRAND FIR	--	86	88	152	327
INCENSE-CEDAR	--	17	--	2	19
PONDEROSA PINE	--	8	--	8	16
LODGEPOLE PINE	--	--	--	12	12
PORT-ORFORD-CEDAR	--	22	--	73	95
NOBLE FIR	--	5	--	--	5
PACIFIC SILVER FIR	--	2	--	2	4
WESTERN WHITE PINE	--	--	--	3	3
TOTAL	1,875	7,836	1,479	2,997	14,188
HARDWOODS:					
RED ALDER	323	1,955	834	1,374	4,487
BIGLEAF MAPLE	239	520	405	828	1,991
OREGON WHITE OAK	--	60	9	949	1,017
OREGON ASH	--	26	--	138	165
CALIFORNIA BLACK OAK	--	--	--	172	172
GIANT CHINKAPIN	46	88	29	--	163
PACIFIC MADRONE	--	76	--	31	107
BLACK COTTONWOOD	--	49	--	33	82
BITTER CHERRY	--	13	24	26	62
TOTAL	608	2,737	1,301	3,550	8,246
ALL SPECIES	2,484	10,623	2,780	6,547	22,434

-- = none found or less than 500 cubic feet.

1/Subject to sampling error.

2/Totals may be off because of rounding.

TABLE 17--TIMBER HARVEST BY OWNER, WEST-CENTRAL OREGON, 1962-85

YEAR	NATIONAL FOREST	OTHER PUBLIC 1/	PRIVATE	ALL OWNERS
	THOUSAND BOARD FEET, SCRIBNER RULE			
1962	1,126,000	253,890	1,393,768	2,773,658
1963	1,046,400	374,564	1,292,728	2,713,692
1964	1,052,500	489,012	1,300,874	2,842,386
1965	1,229,400	331,808	1,205,070	2,766,278
1966	993,900	299,424	1,318,737	2,612,061
1967	884,200	212,039	1,344,033	2,440,272
1968	1,097,238	295,123	1,413,058	2,805,419
1969	1,063,764	343,686	1,116,364	2,523,814
1970	845,337	239,599	1,134,695	2,219,631
1971	960,677	292,507	1,159,383	2,412,567
1972	1,189,473	405,588	1,142,425	2,737,486
1973	1,200,929	384,227	1,209,016	2,794,172
1974	926,782	331,128	1,054,447	2,312,357
1975	680,076	194,415	1,182,762	2,057,253
1976	933,300	286,127	1,110,348	2,329,775
1977	865,863	295,582	1,021,685	2,183,130
1978	967,128	329,696	991,032	2,287,856
1979	1,044,832	269,499	936,352	2,250,683
1980	732,494	237,887	876,792	1,847,173
1981	510,394	225,092	772,497	1,507,983
1982	504,793	163,870	1,072,712	1,741,375
1983	759,576	233,662	1,032,439	2,025,677
1984	891,787	286,134	1,058,278	2,236,199
1985	1,003,342	293,203	1,013,737	2,310,282

1/ Includes Bureau of Land Management (U.S. Department of the Interior).

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METRIC EQUIVALENTS

1,000 acres = 404.7 hectares
1,000 cubic feet = 28.3 cubic meters
1 cubic foot per acre = 0.07 cubic meter per hectare
1 foot = 0.3048 meter
1 inch = 2.54 centimeters
1 mile = 1.609 kilometers

LITERATURE CITED

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Gedney, Donald R.; Bassett, Patricia M.; Mei, Mary A. 1987. Timber resource statistics for non-Federal forest land in west-central Oregon. Resour. Bull. PNW-RB-143. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 26 p.

This report summarizes a 1985-86 timber resource inventory of the non-Federal forest land in the four counties (Benton, Lane, Lincoln, and Linn) in west-central Oregon. Detailed tables of forest area, timber volume, growth, mortality, and harvest are presented.

KEYWORDS: Forest surveys, statistics (forest), timber resources, resources (forest), Oregon (west-central).

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives — as directed by Congress — to provide increasingly greater service to a growing Nation.

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Production, Prices, Employment, and Trade in Northwest Forest Industries, Fourth Quarter 1986

Debra D. Warren

CLEMSON UNIV

ABSTRACT

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1986. Resour. Bull. PNW-RB-144. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1987. 55 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

PREFACE

This report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1975 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Inventory and Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

Phone: 503-231-2081 Commercial
503-429-2081 FTS

AUTHOR

DEBRA D. WARREN is an economics assistant at the Pacific Northwest Research Station, Forestry Sciences Laboratory, 809 N.E. 6th Avenue, Portland, Oregon 97232.

Tables Included in This Series of Reports, Frequency of Publication, and Most Recent Quarter Published

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Lumber and Plywood Production and Prices		
Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1975-86	Q	Current, Table 1
Lumber production in Northwest States, 1975-85	A	Second quarter 1986
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Montana and Idaho timber harvest by ownership, 1975-85	A	Third quarter 1986
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1/ A: Published annually as data become available.
Q: Published quarterly as data become available.

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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
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Softwood lumber exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86	Q	Current, Table 22
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Douglas-fir sawmill log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Western hemlock log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Noble fir log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
White fir log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Sitka spruce log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Western redcedar log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986
Western white pine log prices, western Washington and northwestern Oregon, 1975-85	A	Second quarter 1986

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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
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Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86	Q	Current, Table 33
Volume of timber sold on publicly owned or managed lands in California, 1981-86	Q	Current, Table 34
Average stumpage prices of timber sold on publicly owned or managed lands in California, 1981-86	Q	Current, Table 35
Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1975-86	Q	Current, Table 36
Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86	Q	Current, Table 37
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Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1975-86	Q	Current, Table 39
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TABLE TITLE	FREQUENCY 1/	MOST RECENT QUARTER
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Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86	Q	Current, Table 44
Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1975-86	Q	Current, Table 45
Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-85	A	Second quarter 1986
Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1975-85	A	Second quarter 1986
Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1977-87	A	Third quarter 1986
Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1975-85	A	First quarter 1986
Allowable annual cut and uncut volume under contract on Oregon State lands, 1975-85	A	Second quarter 1986
Allowable annual cut and uncut volume under contract on Washington State lands, 1975-86	A	Second quarter 1986
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TABLES

Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1975-86

Year	Softwood lumber production				U.S. softwood structural panel board production 3/
	Total softwood lumber	Western Washington and western Oregon 1/	California redwood region	Inland region 2/	
	Million board feet				Million sq ft, 3/8-inch basis
1975	17,773	7,134	2,194	8,445	16,050
1976	20,112	8,322	2,001	9,789	18,440
1977	21,105	8,796	2,000	10,309	19,677
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	18,985	8,329	1,664	8,992	22,446
1985	19,068	8,062	1,730	9,276	23,129
1986:					
January	1,613	704	159	750	2,151
February	1,586	710	133	743	1,926
March	1,769	782	151	836	2,096
Total, 1st quarter	4,968	2,196	443	2,329	6,173
April	1,859	782	176	901	2,371
May	1,845	825	172	848	2,236
June	1,737	684	162	891	2,083
Total, 2d quarter	5,441	2,291	510	2,640	6,690
July	1,606	572	162	872	2,187
August	1,892	748	172	972	2,119
September	2,044	873	164	1,007	2,209
Total, 3d quarter	5,542	2,193	498	2,851	6,515
October	1,992	846	184	962	2,429
November	1,721	723	157	841	2,021
December	1,769	759	146	864	2,083
Total, 4th quarter	5,482	2,328	487	2,667	6,533
1986 total	21,433	9,008	1,938	10,487	25,911
	4th quarter 1986 change, in percent				
From:					
3d quarter 1986	-1.1	6.2	-2.2	-6.5	2.8
4th quarter 1985	18.8	20.9	25.2	16.0	10.7
	Year 1986 change, in percent				
From:					
Year 1985	15.9	19.3	8.9	14.4	12.0

1/ Includes small amounts of hardwood.

2/ Inland region includes eastern Washington, eastern Oregon. California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

3/ Data for 1975 are based in part on sampling. Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

Source: Western Wood Products Association, Portland, Oregon, and American Plywood Association, Tacoma, Washington.

Table 2--Wholesale prices of selected lumber products, 1975-86

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/12', KD, net, f.o.b. mill	Ponderosa pine boards, no. 3, 1 by 12 RL, KD, net, f.o.b. mill	Ponderosa pine, no. 2 shop, 6/4 RWRL, S2S, net, f.o.b. mill	Fir-larch std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill	Spruce-pine-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill
1975	148.00	144.00	205.00	144.00	117.00
1976	178.00	188.00	318.00	169.00	151.00
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986:					
January	197.20	261.00	495.00	179.20	151.80
February	196.25	273.75	495.00	181.00	154.50
March	215.75	297.50	495.00	220.50	193.50
Average, 1st quarter	203.07	277.42	495.00	193.57	166.60
April	227.50	277.50	507.50	228.00	200.00
May	213.60	250.00	545.00	206.80	185.00
June	200.75	250.00	593.75	192.00	170.50
Average, 2d quarter	213.95	259.17	548.75	208.93	185.17
July	205.25	247.50	626.25	192.00	171.50
August	213.20	231.00	654.00	205.60	184.20
September	232.25	245.00	655.00	221.75	185.00
Average, 3d quarter	216.90	241.17	645.08	206.45	180.23
October	228.80	239.00	654.00	218.80	190.00
November	228.00	257.50	633.75	230.00	207.50
December	220.60	260.00	618.00	215.80	193.60
Average, 4th quarter	225.80	252.17	635.25	221.53	197.03
1986 average	214.94	257.48	581.02	207.63	182.26
	- - - - - - - - - - - - - - - - - 4th quarter 1986 change, in percent - - - - - - - - - - - - - - - - -				
From:					
3d quarter 1986	4.1	4.6	-1.5	7.3	9.3
4th quarter 1985	12.8	8.5	28.3	24.1	30.3
	- - - - - - - - - - - - - - - - - - - Year 1986 change, in percent - - - - - - - - - - - - - - - - - - -				
From:					
Year 1985	4.3	9.6	17.6	9.3	18.9

Source: Random Lengths Publications, Inc.

Table 3--Wholesale prices of selected softwood plywood products, 1975-86

(In dollars per thousand square feet)

Year	Sheathing, western exterior, 3/8-inch, CD, net f.o.b. mill	Sheathing, southern (west) 1/ exterior, 3/8-inch, CD, net f.o.b. mill	Sanded, western interior, 1/4-inch, AD, net f.o.b. mill
1975	99.00	95.00	146.00
1976	127.00	125.00	160.00
1977	157.00	159.00	183.00
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986:			
January	149.40	146.60	171.60
February	144.75	148.25	171.25
March	163.50	154.75	184.00
Average, 1st quarter	152.55	149.87	175.62
April	168.00	156.00	189.00
May	162.60	149.40	182.40
June	158.50	147.00	175.50
Average, 2d quarter	163.00	150.80	182.30
July	159.25	150.00	173.50
August	157.80	153.60	171.00
September	162.75	157.00	172.00
Average, 3d quarter	159.93	153.53	172.16
October	158.00	155.00	173.00
November	155.25	150.25	174.50
December	147.00	147.80	175.00
Average, 4th quarter	153.40	151.02	174.17
1986 average	157.22	151.31	176.06
	- - - - - - - 4th quarter 1986 change, in percent - - - - - -		
From:			
3d quarter 1986	-4.1	-1.6	1.2
4th quarter 1985	-.3	1.1	.1
	- - - - - - - - - Year 1986 change, in percent - - - - - - -		
From:			
Year 1985	4.8	3.1	.3

1/ Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 4--F.o.b. mill prices for Douglas-fir lumber, coast mills, 1975-86 1/

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1975	405.84	224.78	184.85	83.80	138.77	164.92	44.62
1976	486.23	276.45	229.01	109.84	173.76	216.59	49.12
1977	503.86	342.38	288.67	147.56	215.43	260.68	60.61
1978	592.86	406.35	324.74	170.03	235.28	284.49	85.69
1979	891.29	480.10	409.96	179.20	245.72	334.22	85.89
1980	929.30	505.72	365.27	150.12	172.60	270.80	85.46
1981	746.77	426.09	328.91	136.73	192.99	262.91	83.25
1982	647.96	375.11	283.02	126.45	159.43	198.34	77.91
1983	684.91	425.96	261.85	161.77	200.75	222.39	87.33
1984	688.00	407.27	249.18	136.60	189.29	222.89	71.69
1985	671.46	409.79	248.70	130.79	190.04	226.08	67.63
1986:							
1st quarter	678.43	389.02	235.38	128.57	180.71	219.64	66.47
2d quarter	727.32	409.46	239.76	141.47	196.88	236.61	72.17
3d quarter	725.52	407.24	239.77	131.22	191.26	227.41	67.75
4th quarter	776.73	415.82	244.86	127.06	193.06	229.37	60.73
1986 average	726.38	404.98	239.98	131.92	190.79	228.56	66.59

1/ Figures are a combination of green surfaces and dry surfaces.

Source: Western Wood Products Association.

Table 5--Employment in forest products industries in Washington and Oregon, 1975-86

(In thousands of persons)

Year	Washington and Oregon			Washington			Oregon		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	137.2	110.8	26.4	60.4	43.8	16.6	76.8	67.0	9.8
1976	150.9	123.4	27.5	68.4	51.0	17.4	82.5	72.4	10.1
1977	159.2	131.4	27.8	71.6	53.9	17.7	87.6	77.5	10.1
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8
1979	159.0	133.4	25.6	68.4	52.6	15.8	90.6	80.8	9.8
1980	144.1	116.1	28.0	64.1	46.5	17.6	80.0	69.6	10.4
1981	135.6	108.1	27.5	61.6	44.4	17.2	74.0	63.7	10.3
1982	120.4	94.5	25.9	55.2	39.0	16.2	65.2	55.5	9.7
1983	128.1	103.1	25.0	56.8	41.1	15.7	71.3	62.0	9.3
1984	131.6	106.2	25.4	57.2	41.0	16.2	74.4	65.2	9.2
1985	126.8	101.5	25.2	53.4	37.3	16.0	73.4	64.2	9.1
1986:									
January	123.4	98.0	25.4	52.1	35.9	16.2	71.3	62.1	9.2
February	122.8	97.7	25.1	51.9	35.9	16.0	70.9	61.8	9.1
March	123.4	98.2	25.2	52.0	35.9	16.1	71.4	62.3	9.1
Average, 1st quarter	123.2	98.0	25.2	52.0	35.9	16.1	71.2	62.1	9.1
April	125.3	100.3	25.0	52.6	36.6	16.0	72.7	63.7	9.0
May	126.9	101.8	25.1	53.3	37.2	16.1	73.6	64.6	9.0
June	130.8	105.0	25.8	54.5	38.1	16.4	76.3	66.9	9.4
Average, 2d quarter	127.7	102.4	25.3	53.5	37.3	16.2	74.2	65.1	9.1
July	125.8	99.4	26.4	51.9	35.0	16.9	73.9	64.4	9.5
August	129.1	103.0	26.1	53.9	37.2	16.7	75.2	65.8	9.4
September	131.1	105.0	26.1	55.0	38.3	16.7	76.1	66.7	9.4
Average, 3d quarter	128.6	102.4	26.2	53.6	36.8	16.8	75.0	65.6	9.4
October	129.1	103.7	25.4	54.1	37.8	16.3	75.0	65.9	9.1
November	127.4	102.1	25.3	52.9	36.6	16.3	74.5	65.5	9.0
December	125.9	100.7	25.2	52.7	36.3	16.4	73.2	64.4	8.8
Average, 4th quarter	127.5	102.2	25.3	53.2	36.9	16.3	74.2	65.3	9.0
1986 average	126.8	101.3	25.5	53.1	36.7	16.4	73.7	64.5	9.2
	- - - - - - - - - - - - - - - - - - 4th quarter 1986 change in employment - - - - - - - - - - - - - - - - - -								
From:									
3d qtr. 1986	-1.1	-.2	-.9	-.4	.1	-.5	-.8	-.3	-.4
4th qtr. 1985	1.6	1.5	.1	.2	0.0	.3	1.3	1.5	-.1

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

Table 6--Employment in forest products industries in California and Alaska, 1975-86

(In thousands of persons)

Year	California			Alaska		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	87.3	52.8	34.5	–	2.0	1/
1976	96.6	59.9	36.7	3.4	2.3	1.1
1977	104.2	66.6	37.6	3.6	2.2	1.4
1978	107.1	69.9	37.2	2.9	1.8	1.1
1979	107.8	68.7	39.1	3.0	2.0	1.0
1980	101.3	62.6	38.7	3.4	2.3	1.1
1981	96.6	57.9	38.7	2.8	1.9	.9
1982	83.7	46.2	37.5	2.6	1.8	.8
1983	87.5	50.2	37.3	2.7	1.9	.8
1984	94.5	55.4	39.1	2.2	1.6	.6
1985	95.7	55.9	39.8	2.3	1.7	.6
1986:						
January	91.5	52.5	39.0	1.7	.9	.8
February	91.5	52.5	39.0	2.0	1.2	.8
March	91.9	53.4	38.5	2.3	1.5	.8
Average, 1st quarter	91.6	52.8	38.8	2.0	1.2	.8
April	95.5	56.9	38.6	2.6	1.8	.8
May	97.9	59.2	38.7	2.8	2.0	.8
June	100.4	61.4	39.0	3.1	2.3	.8
Average, 2d quarter	97.9	59.2	38.8	2.8	2.0	.8
July	103.4	62.6	40.8	3.1	2.3	.8
August	104.0	63.5	40.5	3.2	2.4	.8
September	103.8	63.4	40.4	3.1	2.3	.8
Average, 3d quarter	103.7	63.2	40.6	3.1	2.3	.8
October						
November						
December						
Average, 4th quarter						
1986 average						
	- - - - - - - - - - - - - 3d quarter 1986 change in employment - - - - - - - - - - - - -					
From:						
2d quarter 1986	5.8	4.0	1.8	.3	.3	0.0
3d quarter 1985	4.6	3.8	.9	.5	.2	.3

1/ Withheld to avoid disclosure.

Source: State employment agencies. Data are based on place of residence.

Table 7--Employment in forest products industries in Montana and Idaho, 1975-86

(In thousands of persons)

Year	Montana		Idaho		
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	8.1	1/	16.8	15.7	1.1
1976	9.1	1/	18.6	17.4	1.2
1977	9.3	1/	19.0	17.8	1.2
1978	10.7	1/	20.1	18.8	1.3
1979	11.1	1/	19.9	18.5	1.4
1980	8.7	1/	17.5	16.1	1.4
1981	8.8	1/	16.6	15.1	1.5
1982	6.8	1/	13.6	12.1	1.5
1983	8.0	1/	15.7	14.0	1.7
1984	8.3	1/	15.6	13.9	1.7
1985	8.4	1/	15.4	13.6	1.8
1986:					
January	7.7	1/	15.1	13.3	1.8
February	7.6	1/	14.6	12.8	1.8
March	7.8	1/	13.2	11.4	1.8
Average, 1st quarter	7.7	1/	14.3	12.5	1.8
April	7.8	1/	13.4	11.6	1.8
May	7.8	1/	14.0	12.2	1.8
June	8.2	1/	15.3	13.5	1.8
Average, 2d quarter	7.9	1/	14.2	12.4	1.8
July	8.3	1/	16.0	14.2	1.8
August	8.4	1/	16.1	14.2	1.9
September	8.2	1/	15.8	14.0	1.8
Average, 3d quarter	8.3	1/	16.0	14.1	1.8
October	8.7	1/	15.5	13.7	1.8
November	8.5	1/	15.3	13.5	1.8
December	8.5	1/	15.1	13.3	1.8
Average, 4th quarter	8.6	1/	15.3	13.5	1.8
1986 average	8.1	1/	15.0	13.1	1.8
	- - - - - - - - - - - 4th quarter 1986 change in employment - - - - - - - - - - -				
From:					
3d quarter 1986	.3	1/	-.7	-.6	0.0
4th quarter 1985	.4	1/	-.3	-.3	0.0

1/ Withheld to avoid disclosing figures for individual companies.

Note: Individual columns may not add to totals because of rounding.

Source: State employment agencies. Data are based on place of residence.

Table 8--Softwood log exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	2,225,487	765,840	24,361	1,435,286	1,427,387	437,290	990,097	798,100	328,550	24,361	445,189
1976	2,737,074	945,649	26,576	1,764,849	1,792,944	527,889	1,265,055	944,130	417,760	26,576	499,794
1977	2,555,615	966,763	16,721	1,572,131	1,674,860	556,419	1,118,441	880,755	410,344	16,721	453,690
1978	2,847,394	1,139,267	24,493	1,683,634	1,915,979	619,500	1,296,479	931,415	519,767	24,493	387,155
1979	3,233,652	1,309,179	22,693	1,901,780	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,817	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,882	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985:											
1st qtr.	696,431	416,940	2,763	276,728	423,305	200,537	222,768	273,126	216,403	2,763	53,960
2d qtr.	842,518	493,809	2,190	346,519	537,205	239,213	297,992	305,313	254,596	2,190	48,527
3d qtr.	774,910	466,628	3,135	305,147	487,057	232,399	254,658	287,853	234,229	3,135	50,489
4th qtr.	690,266	372,306	4,279	313,681	431,303	172,132	259,171	258,963	200,174	4,279	54,510
1985 total	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986:											
1st qtr.	710,375	435,807	2,511	272,057	458,181	228,426	229,755	252,194	207,381	2,511	42,302
2d qtr.	677,594	387,860	246	289,488	431,667	189,356	242,311	245,927	198,504	246	47,177
3d qtr.	R650,000	375,931	5,575	268,494	395,018	R164,762	230,256	254,982	211,169	5,575	38,238
4th qtr.	742,139	411,110	3,832	327,197	453,746	183,120	270,626	288,393	227,990	3,832	56,571
1986 total	2,780,108	1,610,708	12,164	1,157,236	1,738,612	765,664	972,948	1,041,496	845,044	12,164	184,288
					To Japan						
1975	2,014,244	732,264	24,361	1,257,619	1,255,817	410,721	845,096	758,427	321,543	24,361	412,523
1976	2,547,037	901,911	24,573	1,620,553	1,623,064	491,451	1,131,613	923,973	410,460	24,573	488,940
1977	2,348,325	933,813	16,721	1,397,791	1,496,627	526,255	970,372	851,698	407,558	16,721	427,419
1978	2,521,885	1,103,562	22,814	1,395,509	1,630,247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1,279,177	20,611	1,659,938	1,998,315	705,921	1,292,394	961,411	573,256	20,611	367,544
1980	2,344,322	1,175,407	12,300	1,156,615	1,488,494	602,605	885,889	855,828	572,802	12,300	270,726
1981	1,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	1,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985:											
1st qtr.	436,835	298,301	2,758	135,776	226,796	128,395	98,401	210,039	169,906	2,758	37,375
2d qtr.	384,241	246,379	1,974	135,888	209,518	103,268	106,250	174,723	143,111	1,974	29,638
3d qtr.	394,127	236,384	2,969	154,774	235,771	112,452	123,319	158,356	123,932	2,969	31,455
4th qtr.	401,858	233,742	4,245	163,871	244,338	110,528	133,810	157,520	123,214	4,245	30,061
1985 total	1,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986:											
1st qtr.	408,373	263,123	2,511	142,739	235,198	121,243	113,955	173,175	141,880	2,511	28,784
2d qtr.	393,424	277,247	230	115,947	212,686	119,539	93,147	180,738	157,708	230	22,800
3d qtr.	459,579	331,684	5,575	122,320	235,305	138,409	96,896	224,274	193,275	5,575	25,424
4th qtr.	507,335	344,143	3,832	159,360	261,780	144,960	116,820	245,555	199,183	3,832	42,540
1986 total	1,768,711	1,216,197	12,148	540,366	944,969	524,151	420,818	823,742	692,046	12,148	119,548

Table 8--Softwood log exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	58,506	16,793	--	41,713	58,506	16,793	41,713	--	--	--	--
1976	48,289	14,803	--	33,486	48,289	14,803	33,486	--	--	--	--
1977	15,698	9,531	--	6,167	15,698	9,531	6,167	--	--	--	--
1978	12,638	9,361	--	3,277	12,638	9,361	3,277	--	--	--	--
1979	24,124	7,737	--	16,387	24,124	7,737	16,387	--	--	--	--
1980	985	395	--	590	985	395	590	--	--	--	--
1981	1,332	392	--	940	1,332	392	940	--	--	--	--
1982	4,757	635	--	4,122	4,757	635	4,122	--	--	--	--
1983	5,216	397	--	4,819	5,216	397	4,819	--	--	--	--
1984	10,461	2,406	--	8,055	10,461	2,406	8,055	--	--	--	--
1985:											
1st qtr.	5,244	15	--	5,229	5,244	15	5,229	--	--	--	--
2d qtr.	8,731	16	--	8,715	8,731	16	8,715	--	--	--	--
3d qtr.	9,024	5	--	9,019	9,024	5	9,019	--	--	--	--
4th qtr.	9,803	--	--	9,803	9,803	--	9,803	--	--	--	--
1985 total	32,802	36	--	32,766	32,802	36	32,766	--	--	--	--
1986:											
1st qtr.	2,065	--	--	2,065	2,065	--	2,065	--	--	--	--
2d qtr.	3,583	230	--	3,353	3,583	230	3,353	--	--	--	--
3d qtr.	2,907	--	--	2,907	2,907	--	2,907	--	--	--	--
4th qtr.	50,232	2,081	--	48,151	45,065	2,081	42,984	5,167	--	--	5,167
1986 total	58,787	2,311	--	56,476	53,620	2,311	51,309	5,167	--	--	5,167
To South Korea											
1975	79,022	13,946	--	65,076	42,100	9,100	33,000	36,922	4,846	--	32,076
1976	130,069	26,454	--	103,615	117,007	21,068	95,939	13,062	5,386	--	7,676
1977	187,967	21,201	--	166,766	162,252	20,418	141,834	25,715	783	--	24,932
1978	307,865	24,844	--	283,021	271,887	20,426	251,461	35,978	4,418	--	31,560
1979	245,314	20,342	--	224,972	227,072	18,653	208,419	18,242	1,689	--	16,553
1980	191,387	11,796	--	179,591	163,988	9,549	154,439	27,399	2,247	--	25,152
1981	147,833	10,919	--	136,914	132,675	9,333	123,342	15,158	1,586	--	13,572
1982	254,736	27,809	--	226,927	220,126	23,841	196,285	34,610	3,968	--	30,642
1983	285,638	19,388	--	266,250	259,368	16,406	242,962	26,270	2,982	--	23,288
1984	264,249	6,007	7	258,235	236,609	4,790	231,819	27,640	1,217	7	26,416
1985:											
1st qtr.	90,382	2,604	--	87,778	78,146	2,152	75,994	12,236	452	--	11,784
2d qtr.	79,235	2,168	--	77,067	72,812	1,168	71,644	6,423	1,000	--	5,423
3d qtr.	63,740	3,707	--	60,033	56,445	2,763	53,682	7,295	944	--	6,351
4th qtr.	64,272	2,267	34	61,971	56,262	817	55,445	8,010	1,450	34	6,526
1985 total	297,629	10,746	34	286,849	263,665	6,900	256,765	33,964	3,846	34	30,084
1986:											
1st qtr.	67,224	1,683	--	65,541	58,211	1,388	56,823	9,013	295	--	8,718
2d qtr.	99,713	3,895	16	95,802	87,797	3,513	84,284	11,916	382	16	11,518
3d qtr.	92,889	3,054	--	89,835	88,489	3,054	85,435	4,400	--	--	4,400
4th qtr.	65,735	1,138	--	64,597	60,095	738	59,357	5,640	400	--	5,240
1986 total	325,561	9,770	16	315,775	294,592	8,693	285,899	30,969	1,077	16	29,876
To Mainland China											
1980	87,785	69,901	--	17,884	43,271	31,884	11,387	44,514	38,017	--	6,497
1981	219,237	149,592	--	69,645	170,779	111,058	59,721	48,458	38,534	--	9,924
1982	533,102	390,047	--	143,055	358,762	244,198	114,564	174,340	145,849	--	28,491
1983	699,240	497,020	--	202,220	535,418	347,576	187,842	163,822	149,444	--	14,378
1984	845,188	624,676	--	220,512	589,661	402,321	187,340	255,527	222,355	--	33,172
1985:											
1st qtr.	159,172	115,696	--	43,476	108,347	69,651	38,696	50,825	46,045	--	4,780
2d qtr.	363,834	243,182	--	120,652	241,909	134,723	107,186	121,925	108,459	--	13,466
3d qtr.	305,057	224,098	--	80,959	183,044	114,768	68,276	122,013	109,330	--	12,683
4th qtr.	201,496	133,297	--	68,199	111,070	60,787	50,283	90,426	72,510	--	17,916
1985 total	1,029,559	716,273	--	313,286	644,370	379,929	264,441	385,189	336,344	--	48,845
1986:											
1st qtr.	232,555	170,959	--	61,596	162,561	105,765	56,796	69,994	65,194	--	4,800
2d qtr.	172,511	101,072	--	71,439	123,487	64,907	58,580	49,024	36,165	--	12,859
3d qtr.	92,312	39,309	--	53,003	66,088	21,499	44,589	26,224	17,810	--	8,414
4th qtr.	110,938	63,034	--	47,904	82,549	34,645	47,904	28,389	28,389	--	--
1986 total	608,316	374,374	--	233,942	434,685	226,816	207,869	173,631	147,558	--	26,073

R = revised.

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 9--Value of softwood log exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	603,854	202,337	16,758	384,759	376,706	111,919	264,787	227,148	90,418	16,758	119,972
1976	775,113	266,523	20,086	488,504	490,246	141,989	348,257	284,867	124,534	20,087	140,247
1977	826,698	311,269	17,049	498,380	526,412	171,541	354,871	300,286	139,728	17,049	143,509
1978	992,207	413,645	24,923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128,126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,858	634,898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985:											
1st qtr.	228,180	142,835	3,369	81,976	130,707	65,668	65,039	97,473	77,166	3,369	16,937
2d qtr.	272,660	166,379	2,346	103,936	168,661	79,158	89,504	103,999	87,221	2,346	14,433
3d qtr.	247,317	153,208	4,004	90,105	150,219	74,826	75,393	97,099	78,383	4,004	14,712
4th qtr.	224,311	124,175	4,447	95,689	137,387	58,204	79,183	86,924	65,971	4,447	16,506
1985 total	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62,588
1986:											
1st qtr.	235,304	148,923	2,679	83,702	147,430	76,036	71,394	87,874	72,887	2,679	12,308
2d qtr.	222,438	134,584	140	87,714	136,622	62,967	73,654	85,816	71,617	140	14,059
3d qtr.	219,187	132,666	3,830	82,691	126,226	55,045	71,181	92,961	77,621	3,830	11,510
4th qtr.	252,651	151,183	4,433	97,035	141,810	62,584	79,226	110,842	88,600	4,433	17,809
1986 total	929,580	567,356	11,082	351,142	552,088	256,632	295,455	377,493	310,725	11,082	55,686
					To Japan						
1975	560,754	195,469	16,758	348,527	341,885	107,149	234,736	218,869	88,320	16,758	113,791
1976	734,412	256,673	17,918	459,821	457,248	134,894	322,354	277,164	121,779	17,918	137,467
1977	776,630	303,248	17,049	456,333	484,006	164,626	319,380	292,624	138,622	17,049	136,953
1978	908,627	404,134	22,763	481,730	566,494	204,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910,338	323,034	587,304	477,264	289,126	22,271	165,867
1980	1,190,875	593,484	16,596	580,795	750,369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451,171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302,800	148,370	154,430	232,375	176,114	13,946	42,315
1985:											
1st qtr.	152,073	107,131	3,365	41,577	73,661	43,876	29,785	78,412	63,255	3,365	11,792
2d qtr.	134,135	88,147	2,241	43,747	71,032	36,257	34,774	63,103	51,890	2,241	8,973
3d qtr.	133,622	82,429	3,927	47,265	75,896	37,950	37,945	57,727	44,479	3,927	9,320
4th qtr.	140,845	82,327	4,432	54,086	83,933	39,513	44,421	56,912	42,814	4,432	9,665
1985 total	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986:											
1st qtr.	147,019	96,921	2,679	47,418	80,922	42,757	38,165	66,097	54,164	2,679	9,254
2d qtr.	139,622	101,416	117	38,088	72,339	41,630	30,709	67,283	59,786	117	7,380
3d qtr.	165,358	119,326	3,830	42,202	80,549	46,617	33,931	84,810	72,708	3,830	8,271
4th qtr.	192,859	133,263	4,433	55,163	92,908	52,091	40,818	99,950	81,172	4,433	14,345
1986 total	644,858	450,926	11,059	182,871	326,718	183,095	143,623	318,140	267,830	11,059	39,250

Table 9--Value of softwood log exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 (continued)

(In thousand dollars)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	8,313	2,937	--	5,376	8,313	2,937	5,376	--	--	--	--
1976	7,908	2,733	--	5,175	7,908	2,733	5,175	--	--	--	--
1977	3,545	2,154	--	1,391	3,545	2,154	1,391	--	--	--	--
1978	2,933	2,129	--	804	2,933	2,129	804	--	--	--	--
1979	7,223	2,435	--	4,788	7,223	2,435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	--	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1,046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	--
1985:											
1st qtr.	692	7	--	685	692	7	685	--	--	--	--
2d qtr.	1,646	8	--	1,638	1,646	8	1,638	--	--	--	--
3d qtr.	2,308	1	--	2,307	2,308	1	2,307	--	--	--	--
4th qtr.	1,745	--	--	1,745	1,745	--	1,745	--	--	--	--
1985 total	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986:											
1st qtr.	219	--	--	219	219	--	219	--	--	--	--
2d qtr.	1,036	32	--	1,005	1,036	32	1,005	--	--	--	--
3d qtr.	431	--	--	431	431	--	431	--	--	--	--
4th qtr.	10,553	386	--	10,167	9,365	386	8,978	1,189	--	--	1,189
1986 total	12,239	418	--	11,822	11,051	418	10,633	1,189	--	--	1,189
To South Korea											
1975	14,757	2,688	--	12,069	7,912	1,648	6,264	6,845	1,040	--	5,805
1976	27,546	5,664	--	21,882	24,400	4,350	20,050	3,146	1,315	--	1,831
1977	44,949	4,811	--	40,138	38,738	4,672	34,066	6,211	139	--	6,072
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8,865	1,059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8,730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8,022
1985:											
1st qtr.	25,682	700	--	24,982	21,816	584	21,232	3,866	116	--	3,750
2d qtr.	22,962	607	--	22,355	20,865	287	20,578	2,097	320	--	1,777
3d qtr.	18,790	936	--	17,854	16,516	677	15,840	2,273	259	--	2,014
4th qtr.	18,178	560	15	17,603	15,881	148	15,733	2,297	413	15	1,869
1985 total	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1,108	15	9,410
1986:											
1st qtr.	19,130	504	--	18,626	16,780	427	16,352	2,351	77	--	2,274
2d qtr.	28,828	1,049	23	27,756	25,389	933	24,455	3,439	115	23	3,301
3d qtr.	25,331	1,056	--	24,274	24,253	1,056	23,196	1,078	--	--	1,078
4th qtr.	17,209	300	--	16,909	15,730	196	15,534	1,480	104	--	1,376
1986 total	90,498	2,909	23	87,565	82,152	2,612	79,537	8,348	296	23	8,029
To Mainland China											
1980	41,433	34,285	--	7,148	21,326	16,692	4,634	20,107	17,593	--	2,514
1981	88,000	63,977	--	24,023	67,639	47,363	20,276	20,361	16,614	--	3,747
1982	207,078	158,699	--	48,379	138,219	99,194	39,025	68,859	59,505	--	9,354
1983	220,458	161,616	--	58,842	164,982	110,449	54,533	55,476	51,167	--	4,309
1984	264,969	199,224	--	65,745	184,041	128,413	55,628	80,928	70,811	--	10,116
1985:											
1st qtr.	48,486	34,930	--	13,556	33,307	21,135	12,171	15,180	13,795	--	1,385
2d qtr.	111,982	76,928	--	35,054	73,947	42,576	31,371	38,035	34,352	--	3,683
3d qtr.	91,691	69,113	--	22,578	54,682	35,481	19,200	37,010	33,632	--	3,378
4th qtr.	60,018	40,373	--	19,645	33,228	18,543	14,685	26,790	21,830	--	4,960
1985 total	312,178	221,344	--	90,834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986:											
1st qtr.	68,881	51,472	--	17,409	49,465	32,836	16,629	19,416	18,636	--	780
2d qtr.	50,708	30,502	--	20,207	36,862	20,033	16,828	13,847	10,468	--	3,379
3d qtr.	27,056	11,712	--	15,344	20,023	6,840	13,183	7,033	4,872	--	2,161
4th qtr.	29,827	16,947	--	12,880	22,519	9,639	12,880	7,308	7,308	--	--
1986 total	176,472	110,633	--	65,840	128,869	69,348	59,520	447,604	41,284	--	6,320

Note: Individual columns may not add to totals because of rounding.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 10--Average value of softwood logs exported from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1975	271.34	264.20	687.90	268.07	263.91	255.94	267.43	284.61	275.20	687.90	269.49
1976	283.19	281.84	755.83	276.80	273.43	268.98	275.29	301.73	298.10	755.83	280.61
1977	323.48	321.97	1,019.62	317.01	314.30	308.29	317.26	340.94	340.51	1,019.62	316.32
1978	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985:											
1st qtr.	327.64	342.58	1,219.31	296.24	308.78	327.46	291.96	356.88	356.59	1,219.31	313.89
2d qtr.	323.63	336.93	1,071.05	299.94	313.96	330.91	300.36	340.63	342.58	1,071.05	297.41
3d qtr.	319.16	328.33	1,277.07	295.29	308.42	321.97	296.06	337.32	334.64	1,277.06	291.39
4th qtr.	324.96	333.53	1,039.35	303.05	318.54	338.14	305.52	335.66	329.57	1,039.35	302.80
1985 average	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986:											
1st qtr.	331.24	341.72	1,067.03	307.66	321.77	332.87	310.74	348.44	351.46	1,067.03	290.95
2d qtr.	328.28	346.99	568.77	303.00	316.50	332.53	303.97	348.95	360.78	568.77	298.01
3d qtr.	R337.21	352.90	687.05	307.98	319.54	334.09	309.14	364.58	367.58	687.05	301.01
4th qtr.	340.44	367.74	1,156.78	296.56	312.53	341.76	292.75	384.34	388.61	1,156.78	314.81
1986 average	334.37	352.24	911.05	303.43	317.55	335.18	303.67	362.45	367.70	911.05.	302.17
					To Japan						
1975	278.39	266.94	687.90	277.13	272.24	260.88	277.76	288.58	274.68	687.90	275.84
1976	288.34	284.59	729.17	283.74	281.72	274.48	284.86	299.97	296.69	729.17	281.15
1977	330.72	324.74	1,019.62	326.47	323.40	312.83	329.13	343.58	340.13	1,019.62	320.42
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985:											
1st qtr.	348.13	359.14	1,220.07	306.22	324.79	341.73	302.69	373.32	372.30	1,220.07	315.51
2d qtr.	349.09	357.77	1,135.01	321.93	339.02	351.10	327.29	361.16	362.59	1,135.01	302.74
3d qtr.	339.03	348.71	1,322.82	305.38	321.90	337.48	307.70	364.54	358.90	1,322.82	296.30
4th qtr.	350.48	352.21	1,044.14	330.05	343.51	357.49	331.97	361.30	347.48	1,044.14	321.52
1985 average	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986:											
1st qtr.	360.01	368.35	1,067.03	332.20	344.06	352.66	334.91	381.68	381.76	1,067.03	321.49
2d qtr.	354.89	365.80	508.91	328.50	340.12	348.25	329.68	372.27	379.10	508.91	323.67
3d qtr.	359.80	359.76	687.05	345.01	342.32	336.81	350.18	378.15	376.19	687.05	325.33
4th qtr.	380.14	387.23	1,156.78	346.15	354.91	359.34	349.41	407.04	407.52	1,156.78	337.22
1986 average	364.59	370.77	910.36	338.42	345.74	349.32	341.29	386.21	387.01	910.36	328.32

Table 10--Average value of softwood logs exported from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both States				From Washington Customs District			From Oregon Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1975	142.09	174.89	--	128.88	142.09	174.89	128.88	--	--	--	--
1976	163.76	184.62	--	154.54	163.76	184.62	154.54	--	--	--	--
1977	225.82	226.00	--	225.56	225.82	226.00	225.56	--	--	--	--
1978	232.08	227.43	--	245.35	232.08	227.43	245.35	--	--	--	--
1979	299.41	314.72	--	292.78	299.41	314.72	292.18	--	--	--	--
1980	327.92	336.71	--	322.03	327.92	336.71	322.03	--	--	--	--
1981	347.60	441.33	--	308.51	347.60	441.33	308.51	--	--	--	--
1982	224.51	215.75	--	225.86	224.51	215.75	225.86	--	--	--	--
1983	200.35	138.54	--	205.44	200.35	137.46	205.44	--	--	--	--
1984	198.93	228.18	--	190.07	198.93	228.18	190.07	--	--	--	--
1985:											
1st qtr.	131.92	484.07	--	130.91	131.92	484.07	130.91	--	--	--	--
2d qtr.	188.47	500.00	--	187.90	188.47	500.00	187.90	--	--	--	--
3d qtr.	255.79	235.60	--	255.80	255.79	235.60	255.80	--	--	--	--
4th qtr.	177.98	--	--	177.98	177.98	--	177.98	--	--	--	--
1985 average	194.82	456.64	--	194.53	194.82	456.64	194.53	--	--	--	--
1986:											
1st qtr.	106.04	--	--	106.04	106.04	--	106.04	--	--	--	--
2d qtr.	289.18	137.14	--	299.61	289.18	137.14	299.61	--	--	--	--
3d qtr.	148.25	--	--	148.25	148.25	--	148.25	--	--	--	--
4th qtr.	210.09	185.63	--	211.15	207.80	185.63	208.87	230.09	--	--	230.09
1986 average	208.19	180.87	--	209.33	206.10	180.87	207.23	230.09	--	--	230.09
To South Korea											
1975	186.74	192.74	--	185.46	187.93	181.10	189.82	185.39	214.61	--	180.98
1976	211.78	214.11	--	211.19	208.53	206.47	208.93	240.77	244.77	--	238.54
1977	239.13	226.92	--	240.68	238.75	228.82	240.18	241.53	177.52	--	243.54
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	--	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	--	351.48
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	--	347.09
1981	321.18	368.81	--	317.38	324.46	376.41	320.53	292.45	324.29	--	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	--	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	--	309.95
1984	292.67	286.83	281.14	292.81	291.41	283.51	291.32	303.51	299.92	281.14	303.68
1985:											
1st qtr.	284.15	268.82	--	284.60	279.17	271.23	279.39	315.96	257.38	--	318.20
2d qtr.	289.79	279.90	--	290.07	286.55	245.57	287.22	326.50	320.00	--	327.70
3d qtr.	294.79	252.45	--	297.40	292.61	244.96	295.06	311.64	274.36	--	317.19
4th qtr.	282.83	247.18	441.18	284.05	282.27	180.97	283.77	286.73	284.48	441.18	286.43
1985 average	287.64	260.84	441.18	288.63	284.75	245.68	285.80	310.13	288.05	441.18	312.81
1986:											
1st qtr.	284.58	299.44	--	284.19	288.26	307.82	287.78	260.81	260.00	--	260.84
2d qtr.	289.11	269.23	1,429.31	289.73	289.17	265.67	290.15	288.62	301.96	1,429.31	286.59
3d qtr.	272.70	345.92	--	270.21	274.08	345.92	271.51	245.00	--	--	245.00
4th qtr.	261.80	263.56	--	261.77	261.75	265.50	261.70	262.32	260.00	--	262.50
1986 average	277.98	297.75	1,429.31	277.30	278.87	300.47	278.20	269.56	274.84	1,429.31	268.74
To Mainland China											
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	--	386.95
1981	401.39	427.68	--	344.94	396.06	426.47	339.51	420.18	431.15	--	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	--	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	--	298.15	312.11	319.18	296.94	316.71	318.46	--	304.96
1985:											
1st qtr.	304.62	301.91	--	311.81	307.41	303.44	314.54	298.66	299.60	--	289.68
2d qtr.	307.78	316.34	--	290.54	305.68	316.02	292.68	311.95	316.73	--	273.50
3d qtr.	300.57	308.41	--	278.88	298.74	309.16	281.22	303.33	307.62	--	266.32
4th qtr.	297.86	302.88	--	288.06	299.16	305.05	292.04	296.27	301.06	--	276.87
1985 average	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	--	274.46
1986:											
1st qtr.	296.19	301.08	--	282.64	304.29	310.46	292.79	277.40	285.86	--	162.50
2d qtr.	293.94	301.78	--	282.85	298.51	308.65	287.27	282.45	289.46	--	262.74
3d qtr.	293.09	297.95	--	289.49	302.98	318.15	295.66	268.19	273.56	--	256.83
4th qtr.	268.86	268.86	--	268.86	272.79	278.23	268.86	257.43	257.43	--	--
1986 average	290.10	295.51	--	281.44	296.47	305.75	286.33	274.17	279.78	--	242.40

R = revised.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 11--Softwood log exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
		To all countries		
1975	86,943	52,547	2,483	31,913
1976	109,812	73,924	2,508	33,380
1977	70,902	38,302	2,331	30,269
1978	72,650	49,024	2,880	20,746
1979	65,492	37,551	1,611	26,330
1980	31,672	7,287	653	23,732
1981	25,586	5,890	1,381	18,315
1982	19,507	12,609	6	6,892
1983	33,519	3,643	300	29,576
1984	47,115	16,339	1,764	29,012
1985:				
1st quarter	13,269	4,371	362	8,536
2d quarter	15,244	7,400	--	7,844
3d quarter	23,451	16,596	--	6,855
4th quarter	10,616	5,600	910	4,106
1985 total	62,580	33,967	1,272	27,341
1986:				
1st quarter	10,569	3,900	--	6,669
2d quarter	5,615	217	--	5,398
3d quarter	7,015	--	354	6,661
4th quarter	3,012	30	--	2,982
1986 total	26,211	4,147	354	21,710
		To Japan		
1975	78,813	48,188	2,483	28,142
1976	96,485	69,395	2,853	24,237
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979	57,938	37,411	1,611	18,916
1980	27,180	7,055	653	19,472
1981	20,708	1,024	1,381	18,303
1982	9,022	3,270	6	5,746
1983	24,308	3,626	300	20,382
1984	26,251	2,954	1,764	21,533
1985:				
1st quarter	8,954	56	362	8,536
2d quarter	542	--	--	542
3d quarter	10,746	3,900	--	6,846
4th quarter	5,001	--	910	4,091
1985 total	25,243	3,956	1,272	20,015
1986:				
1st quarter	6,653	--	--	6,653
2d quarter	2,410	217	--	2,193
3d quarter	7,015	--	354	6,661
4th quarter	2,982	--	--	2,982
1986 total	19,060	217	354	18,489
		To Mainland China		
1982	9,292	9,282	--	10
1983	8,302	--	--	8,302
1984	13,568	8,875	--	4,693
1985:				
1st quarter	4,315	4,315	--	--
2d quarter	14,694	7,400	--	7,294
3d quarter	12,696	12,696	--	--
4th quarter	5,600	5,600	--	--
1985 total	37,305	30,011	--	7,294
1986:				
1st quarter	3,900	3,900	--	--
2d quarter	3,197	--	--	3,197
3d quarter	--	--	--	--
4th quarter	--	--	--	--
1986 total	7,097	3,900	--	3,197

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 12--Softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In million board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	366.8	32.2	230.0	261.3	48.6	284.7	469.2	--	32.9	1,725.7
1976	502.1	30.5	277.2	397.4	7.5	324.5	623.7	0	28.5	2,191.4
1977	402.1	42.1	237.7	328.2	68.7	304.6	607.6	--	12.0	2,003.0
1978	512.2	41.1	321.8	325.8	87.1	387.2	559.7	--	7.0	2,241.0
1979	648.7	50.9	332.8	366.1	101.0	505.0	601.7	--	9.9	2,616.1
1980	498.2	38.0	287.3	387.0	80.2	295.1	497.1	.1	3.1	2,086.1
1981	414.3	16.7	208.4	215.9	47.3	168.0	446.2	.1	14.9	1,531.8
1982	552.3	11.0	310.3	374.5	62.6	152.6	494.1	--	13.9	1,971.3
1983	658.1	6.7	292.5	318.3	40.4	200.6	540.7	--	.6	2,057.9
1984	633.1	22.1	282.0	352.6	64.4	269.5	R515.3	.8	2.0	R2,141.8
1985:										
1st quarter	146.7	6.0	72.2	109.1	28.5	79.0	90.0	0	.9	532.4
2d quarter	234.1	13.3	65.9	111.2	4.3	107.6	110.9	0	1.2	648.4
3d quarter	163.4	7.6	78.3	74.7	1.5	76.3	159.1	0	.8	560.7
4th quarter	140.4	17.4	88.0	58.1	0	71.4	112.5	0	1.6	489.4
1985 total	684.6	44.3	304.4	352.0	34.2	334.3	472.5	0	4.4	2,230.8
1986:										
1st quarter	170.0	5.2	62.8	38.7	2.0	94.7	122.4	0	1.1	496.9
2d quarter	125.8	6.5	71.3	78.2	0	89.7	135.5	0	2.8	509.9
3d quarter	86.6	7.6	95.6	76.4	0	86.6	109.7	0	8.9	471.5
4th quarter	128.0	13.8	89.3	62.5	5.7	102.8	112.2	0	1.8	516.0
1986 total	510.4	33.1	319.0	255.8	7.7	373.8	479.8	0	14.5	1,994.3

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	245.7	134.1	137.5	44.5	561.8	66.6	19.9	0	1.4	87.9
1976	273.3	144.6	99.5	28.0	545.4	83.7	26.1	0	--	109.8
1977	210.2	120.1	207.0	15.4	552.7	39.2	25.5	0	6.3	71.0
1978	168.4	145.1	277.0	15.0	605.5	46.1	18.4	--	8.2	72.7
1979	150.1	128.2	322.0	17.2	617.5	43.0	6.0	0	16.5	65.6
1980	134.7	135.2	275.8	0	545.7	14.9	3.9	.5	12.3	31.6
1981	73.3	113.8	268.2	0	455.3	6.6	13.3	0	5.6	25.5
1982	93.3	191.1	309.5	2.3	596.2	16.0	.7	0	1.2	17.9
1983	69.0	153.5	309.9	1.1	533.5	17.1	16.3	0	.1	33.5
1984	66.5	233.4	272.9	7.6	580.5	27.4	16.5	0	3.2	47.1
1985:										
1st quarter	8.4	63.9	91.8	0	164.1	6.8	5.5	0	1.0	13.3
2d quarter	14.6	79.1	100.4	0	194.1	15.2	0	0	.1	15.2
3d quarter	28.1	81.9	92.1	12.2	214.2	18.2	5.2	0	0	23.5
4th quarter	12.6	97.7	77.2	13.4	200.9	6.5	4.1	0	0	10.6
1985 total	63.6	322.9	361.5	25.6	773.3	46.7	14.8	0	1.1	62.6
1986:										
1st quarter	11.9	66.7	111.7	23.2	213.5	5.7	4.9	0	0	10.6
2d quarter	9.7	60.3	91.0	6.8	167.7	1.8	3.8	0	0	5.6
3d quarter	8.0	60.1	105.2	5.3	178.5	1.9	5.2	0	0	7.0
4th quarter	10.2	70.7	141.3	3.7	225.9	0	3.0	0	0	3.0
1986 total	39.8	257.8	449.2	39.0	785.6	9.4	16.9	0	0	26.2

Note: Individual columns may not add to totals because of rounding.

1/ State totals as presented here for Washington and Oregon do not agree with those in table 8 because customs districts as used in table 8 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

R = revised.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 13--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1975-86

(In dollars per thousand board feet, Scribner scale)

Year and quarter	State of Washington 1/									
	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Northeastern Washington	Other	Total
1975	256.17	297.84	273.29	280.90	273.90	253.46	266.63	--	279.01	266.30
1976	269.90	293.96	287.08	302.53	302.53	261.25	277.21	0	252.97	277.26
1977	311.97	296.28	309.82	336.01	331.68	294.59	327.76	--	263.80	317.86
1978	332.92	295.77	334.87	379.57	347.93	319.97	340.91	--	344.67	339.68
1979	452.52	376.18	455.44	518.19	499.12	424.46	428.19	--	492.38	451.64
1980	490.53	414.44	473.47	506.59	510.63	472.08	523.11	280.95	538.84	495.76
1981	394.52	461.88	412.74	462.85	447.21	396.82	473.08	307.74	3.06	428.32
1982	354.51	374.42	366.86	420.02	358.61	362.47	429.08	--	372.14	388.57
1983	314.28	364.25	345.30	361.03	405.78	336.07	344.01	442.46	623.79	337.90
1984	311.83	293.83	324.35	353.46	326.45	329.95	R329.48	343.27	303.70	R327.11
1985:										
1st quarter	296.38	289.69	293.11	351.97	305.04	318.05	335.18	0	373.64	317.63
2d quarter	303.59	260.44	319.83	350.26	305.35	307.40	343.83	0	496.88	320.18
3d quarter	296.12	309.43	318.51	325.29	310.65	289.15	325.47	0	263.43	310.64
4th quarter	299.75	258.21	333.61	335.91	0	295.21	352.89	0	418.18	320.60
1985 average	299.48	271.99	317.14	343.20	305.33	303.15	338.16	0	401.64	317.27
1986:										
1st quarter	303.47	228.39	343.92	358.68	307.70	320.21	339.46	0	525.90	343.30
2d quarter	289.84	277.51	327.56	353.31	0	318.03	336.15	458.60	304.74	322.14
3d quarter	291.76	247.02	327.21	361.97	0	308.49	348.19	0	355.06	326.42
4th quarter	298.61	191.49	337.28	386.02	261.81	280.00	363.42	1,016.04	397.35	321.43
1986 average	294.95	226.90	333.40	364.70	273.86	305.17	346.12	916.50	366.44	323.59

Year and quarter	State of Oregon 1/					Northern California 2/				
	Astoria	Coos Bay	Portland	Other	Total	Eureka	Sacramento	Stockton	Other	Total
1975	236.89	349.97	316.25	271.48	286.03	256.07	368.11	0	452.10	284.62
1976	267.63	372.46	337.44	253.76	307.45	292.15	367.73	0	--	312.31
1977	338.29	409.01	328.22	318.00	349.32	333.34	337.06	0	338.45	335.14
1978	325.32	512.44	366.77	330.78	389.23	353.99	362.18	--	372.07	358.09
1979	461.34	592.98	455.51	381.59	483.38	336.29	393.19	0	447.84	369.65
1980	452.99	604.08	488.22	0	508.23	462.98	485.28	379.65	535.17	492.37
1981	340.14	635.05	448.55	0	477.76	537.93	492.22	0	422.02	488.61
1982	325.14	501.04	404.96	420.00	423.35	334.72	279.64	0	469.52	342.13
1983	302.95	411.99	362.85	320.00	369.15	315.41	370.37	0	1,028.53	345.23
1984	296.11	367.28	350.19	300.95	350.22	366.75	358.63	0	447.55	361.38
1985:										
1st quarter	295.94	383.22	349.92	0	360.14	240.49	351.22	0	451.48	302.21
2d quarter	284.96	349.50	331.06	0	335.12	287.99	0	0	1,072.94	290.57
3d quarter	280.52	368.22	340.23	311.35	341.46	285.70	380.13	0	1,053.33	306.99
4th quarter	316.57	345.83	333.05	293.47	335.59	300.19	280.99	0	680.00	293.33
1985 average	290.70	359.82	338.61	301.97	342.31	281.93	342.02	0	489.64	299.66
1986:										
1st quarter	281.93	386.01	345.84	269.80	346.58	258.19	344.24	0	666.67	298.86
2d quarter	295.05	340.10	361.69	283.33	346.92	263.68	349.03	0	960.93	326.60
3d quarter	268.58	376.44	371.11	282.58	365.70	357.91	332.37	0	0	339.13
4th quarter	240.58	393.43	391.65	297.75	383.88	0	332.40	0	0	332.08
1986 average	271.88	375.07	369.38	276.58	361.72	279.20	339.59	0	850.58	319.40

1/ State averages as presented here for Washington and Oregon do not agree with those in table 10 because customs districts as used in table 10 do not correspond to State boundaries.

2/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

R = revised.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 14--Volume and average value of softwood log exports from Alaska Customs District by destination, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
	To all countries	
1975	29,011	307.97
1976	26,197	224.59
1977	52,377	263.54
1978	68,025	320.45
1979	128,597	470.97
1980	160,523	532.56
1981	149,187	480.54
1982	241,123	478.49
1983	262,219	425.55
1984	231,544	396.66
1985:		
1st quarter	19,076	319.59
2d quarter	81,716	414.26
3d quarter	101,603	386.06
4th quarter	96,795	378.60
1985 total and average value	299,190	387.11
1986:		
1st quarter	30,639	393.87
2d quarter	103,089	422.37
3d quarter	109,752	416.20
4th quarter	102,303	354.76
1986 total and average value	345,783	397.88
	To Japan	
1975	24,311	352.29
1976	20,741	253.18
1977	46,897	278.99
1978	57,653	343.49
1979	120,753	475.21
1980	156,275	533.22
1981	141,209	491.44
1982	219,700	486.71
1983	211,705	452.60
1984	202,238	415.51
1985:		
1st quarter	11,019	394.39
2d quarter	72,743	440.56
3d quarter	85,750	408.46
4th quarter	80,708	406.63
1985 total and average value	250,220	416.58
1986:		
1st quarter	26,204	436.13
2d quarter	92,977	446.14
3d quarter	91,160	446.89
4th quarter	68,500	445.96
1986 total and average value	278,841	445.40
	To Mainland China	
1981	3,205	377.57
1982	0	--
1983	15,591	305.16
1984	0	--
1985:		
1st quarter	2,113	352.67
2d quarter	0	--
3d quarter	0	--
4th quarter	0	--
1985 total and average value	2,113	352.67
1986:		
1st quarter	0	--
2d quarter	0	--
3d quarter	0	--
4th quarter	0	--
1986 total and average value	0	--

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 15--Volume and value of hardwood log exports from customs districts of Washington, Oregon, Alaska, and northern California, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars)

Year and quarter	Washington Customs District		Oregon Customs District		Alaska Customs District		San Francisco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
To all countries								
1975	1,599	637,455	73	103,519	D	--	3,911	780,853
1976	3,750	1,646,972	236	136,188	0	--	659	1,239,777
1977	2,735	2,117,386	189	87,839	0	--	1,396	2,751,996
1978	2,362	2,190,449	75	91,486	11	19,250	1,772	4,088,466
1979	2,597	2,216,256	341	420,741	138	253,716	1,272	3,049,981
1980	6,826	5,153,711	2,026	764,511	186	44,960	900	2,260,961
1981	3,416	3,173,191	439	470,373	0	--	683	1,422,547
1982	3,788	2,894,801	335	217,463	0	--	623	1,364,227
1983	4,442	2,629,711	374	170,853	0	--	241	228,307
1984	5,918	3,762,641	537	1,020,322	31	52,163	302	650,290
1985:								
1st quarter	1,445	1,292,682	489	449,838	D	--	93	195,168
2d quarter	703	854,219	284	629,664	0	--	126	103,443
3d quarter	972	503,351	56	107,435	0	--	3	10,400
4th quarter	904	1,176,682	261	97,352	0	--	12	18,500
1985 total	4,024	3,826,934	1,090	1,284,289	D	--	234	327,511
1986:								
1st quarter	2,777	2,798,454	1,306	845,636	D	--	33	58,393
2d quarter	2,604	3,080,777	185	179,507	0	--	67	106,276
3d quarter	707	851,340	107	173,144	31	13,000	129	71,900
4th quarter	1,515	1,672,294	115	92,734	0	--	53	82,482
1986 total	7,603	8,402,865	1,713	1,291,021	31	13,000	282	319,051
To Japan								
1975	1,210	562,583	14	9,039	0	--	3,803	636,796
1976	3,313	1,416,317	235	134,988	0	--	456	1,005,649
1977	1,444	1,179,616	17	33,347	0	--	1,063	2,300,667
1978	1,178	819,332	57	84,025	0	--	1,248	3,059,204
1979	1,824	1,153,644	300	359,119	74	188,389	1,059	2,339,089
1980	4,786	1,969,245	1,964	726,891	182	42,200	579	1,532,496
1981	2,037	2,162,473	229	264,161	0	--	310	742,998
1982	1,465	1,212,079	35	64,504	0	--	417	911,992
1983	1,256	918,408	229	81,616	0	--	61	99,250
1984	3,260	1,272,395	398	757,459	0	--	218	433,562
1985:								
1st quarter	538	434,347	83	202,223	0	--	32	73,894
2d quarter	134	127,813	242	487,582	0	--	58	79,090
3d quarter	12	8,200	52	95,035	0	--	0	--
4th quarter	284	434,524	61	27,352	0	--	0	--
1985 total	968	1,004,884	438	812,192	0	--	90	152,984
1986:								
1st quarter	947	728,313	1,286	838,036	0	--	0	--
2d quarter	998	1,505,964	106	162,257	0	--	0	--
3d quarter	61	119,751	87	165,644	0	--	0	--
4th quarter	627	675,148	90	54,180	0	--	32	53,570
1986 total	2,633	3,029,176	1,569	1,220,117	0	--	32	53,570
To Mainland China								
1980	5	2,800	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	45	45,000	0	--	0	--	0	--
1983	0	--	100	22,500	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	59	14,963	D	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1985 total	0	--	59	14,963	0	--	0	--
1986:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	7	15,900	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1986 total	7	15,900	0	--	0	--	0	--

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. Alaska Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 16--Log exports from southern California ports, by species, 1975-86

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Other softwoods	Hardwoods
1975	288	11	224	53
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	797	281	211	305
1983	674	0	31	643
1984	2,618	4	624	1,990
1985:				
1st quarter	346	0	37	309
2d quarter	516	9	179	328
3d quarter	529	0	253	276
4th quarter	601	0	310	291
1985 total	1,992	9	779	1,204
1986:				
1st quarter	1,989	67	869	1,053
2d quarter	1,569	8	338	1,223
3d quarter	982	0	238	744
4th quarter	1,268	0	706	562
1986 total	5,808	75	2,151	2,582

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 17--Volume and average value of softwood log exports to Canada from the Montana Customs District, 1975-86 1/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	All species		Douglas-fir		Other softwoods	
	Volume	Value	Volume	Value	Volume	Value
1975	739	226.93	72	274.78	667	221.76
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	--	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985:						
1st quarter	340	250.57	0	--	340	250.57
2d quarter	73	302.85	0	--	73	302.85
3d quarter	62	317.79	49	336.90	13	245.77
4th quarter	0	--	0	--	0	--
1985 total and average value	475	267.38	49	336.90	426	259.38
1986:						
1st quarter	88	241.92	0	--	88	241.92
2d quarter	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--
4th quarter	17	484.53	17	484.53	0	--
1986 total and average value	105	281.20	17	484.53	88	241.92

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 18--Log exports from British Columbia ports, by species and destination, 1975-86 1/

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	85,082	2,406	18,914	19,373	41,416	1,505	2,188
1976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
1977	186,511	10,085	118,085	36,048	19,835	754	1,704
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	2/ 705,487	132,718	382,809	41,112	80,871	54,293	2/ 13,684
1985:							
1st quarter	206,368	20,766	115,693	8,820	16,774	36,916	7,399
2d quarter	66,814	1,812	20,418	9,056	9,419	24,119	1,990
3d quarter	144,832	3,125	75,857	9,116	38,979	16,864	891
4th quarter	114,941	4,189	52,354	4,633	16,547	36,290	928
1985 total	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986:							
1st quarter	R133,715	2,852	R68,888	1,661	R25,590	R30,977	3,747
2d quarter	R151,206	230	R76,812	2,255	R39,320	R18,237	14,352
3d quarter	R163,843	871	R90,467	R2,481	R28,872	R39,127	2,025
4th quarter	120,608	0	63,608	448	25,694	30,502	356
1986 total	569,372	3,953	299,7755	6,845	119,476	118,843	20,480
			To Japan				
1975	61,728	1,460	10,477	7,696	39,470	1,253	1,372
1976	67,192	792	17,026	7,343	39,905	470	1,656
1977	109,301	5,106	65,092	23,413	15,489	201	0
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36,157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	2/ 406,680	88,349	174,230	29,619	69,434	39,208	2/ 5,840
1985:							
1st quarter	131,179	7,626	69,694	7,129	15,699	30,899	132
2d quarter	40,344	921	8,603	3,026	7,753	19,615	426
3d quarter	78,314	3,016	45,655	1,605	19,714	8,307	17
4th quarter	71,627	1,010	40,666	1,671	11,731	16,200	349
1985 total	321,464	12,573	164,618	13,431	54,897	75,021	924
1986:							
1st quarter	R98,901	245	R51,823	1,541	22,556	22,574	162
2d quarter	R101,643	230	R53,450	1,043	R32,032	R13,564	1,324
3d quarter	R110,732	0	R63,000	R710	20,720	R26,266	36
4th quarter	86,848	0	47,846	447	21,180	17,375	0
1986 total	398,124	475	216,119	3,741	96,488	79,779	1,522

Table 18--Log exports from British Columbia ports, by species and destination, 1975-86 1/ (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States				
1975	23,354	946	7,717	11,677	1,946	252	816
1976	48,911	4,598	22,043	14,558	1,964	2,876	2,872
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	2/ 110,263	8,167	73,102	6,867	8,426	8,752	2/ 4,979
1985:							
1st quarter	9,992	4	6,052	98	728	2,773	337
2d quarter	17,346	891	4,260	6,030	1,562	3,484	1,119
3d quarter	45,068	109	17,487	5,922	18,637	2,572	341
4th quarter	23,109	0	2,274	911	3,061	16,295	568
1985 total	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986:							
1st quarter	R7,520	30	3,969	0	1,624	R1,375	522
2d quarter	R8,525	0	R4,952	470	R 768	2,317	18
3d quarter	R26,467	225	R14,788	1,382	R5,129	3,487	1,456
4th quarter	13,253	0	4,041	0	1,238	7,974	0
1986 total	55,765	255	27,750	1,852	8,759	15,153	1,996
			To Mainland China				
1982	46,689	38,463	0	0	3,787	0	8,911
1983	110,354	57,913	0	0	3,096	5,286	44,059
1984	2/ 171,705	35,869	122,460	0	3,001	6,333	2/ 4,102
1985:							
1st quarter	51,427	13,082	28,616	0	0	2,799	6,930
2d quarter	8,575	0	7,555	0	0	1,020	0
3d quarter	19,914	0	12,715	381	628	5,763	427
4th quarter	18,357	3,177	9,402	387	1,596	3,795	0
1985 total	98,273	16,259	58,288	768	2,224	13,377	7,357
1986:							
1st quarter	19,529	2,487	7,568	0	23	6,615	2,836
2d quarter	39,899	0	18,732	5	6,477	1,891	12,794
3d quarter	14,473	646	7,676	0	2,011	4,140	0
4th quarter	6,712	0	4,866	0	431	1,415	0
1986 total	80,613	3,133	38,842	5	8,942	14,061	15,630

1/ Figures do not include shipments of pulpwood logs.

2/ Incomplete; does not include all "Hardwoods."

R = revised.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 19--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1975-86

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
1975	55,494	207.13
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981	33,985	319.77
1982	59,492	313.27
1983	76,674	225.58
1984	65,067	135.12
1985:		
1st quarter	13,744	237.18
2d quarter	18,149	312.27
3d quarter	11,379	247.84
4th quarter	5,382	312.13
1985 total and average value	48,654	275.97
1986:		
1st quarter	237	311.74
2d quarter	6,619	78.64
3d quarter	16,978	107.60
4th quarter	4,030	474.13
1986 total and average value	27,864	155.47

Source: U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 20--Volume and average value of pulpwood imports from Canada into the Washington Customs District, 1975-86

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Value	Volume	Value
	Short tons 1/	Dollars	Cords 2/	Dollars
1975	493,761	23.36	11,517	42.90
1976	877,550	20.98	1,967	32.14
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985:				
1st quarter	209,758	27.29	0	--
2d quarter	177,570	30.78	0	--
3d quarter	189,900	27.50	0	--
4th quarter	150,218	23.80	0	--
1985 total and average value	727,446	27.48	0	--
1986:				
1st quarter	199,189	25.36	0	--
2d quarter	245,552	22.25	0	--
3d quarter	84,543	25.41	85	124.73
4th quarter	172,302	32.02	0	--
1986 total and average value	701,586	25.91	85	124.73

1/ Short tons are on a dry weight basis.

2/ Cords are on a green weight basis.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 21--Volume and average value of chips exported from the Washington, Oregon, San Francisco, and Alaska Customs Districts, 1975-86

(In short tons, on a dry weight basis; average value in dollars per short ton)

Year and quarter	Washington Customs District		Oregon Customs District		San Francisco Customs District		Alaska Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	326,083	38.56	2,436,807	34.74	257,735	28.96	32,399	48.51
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985:								
1st quarter	67,551	80.40	422,788	74.53	68,126	68.40	0	--
2d quarter	54,056	75.52	416,802	75.91	86,643	77.44	0	--
3d quarter	103,586	73.03	393,944	73.39	89,643	69.32	0	--
4th quarter	50,861	77.60	392,956	72.90	57,735	68.67	0	--
1985 total and average value	276,054	76.16	1,626,490	74.22	302,147	71.31	0	--
1986:								
1st quarter	91,810	81.31	325,281	73.95	58,494	68.64	0	--
2d quarter	58,676	75.47	407,330	72.12	60,473	75.86	0	--
3d quarter	111,582	74.58	376,420	73.23	71,434	68.98	0	--
4th quarter	184,158	69.48	468,708	69.62	66,580	73.81	0	--
1986 total and average value	446,226	73.97	1,577,739	72.02	256,981	71.77	0	–

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Washington Customs District includes all ports in the State of Washington, except Longview and Vancouver. Oregon Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Alaska Customs District is the State of Alaska.

Table 22--Softwood lumber exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	616,883	415,152	125,529	76,202	263,754	151,681	52,064	60,009	353,129	263,471	73,465	16,193
1976	698,941	478,100	145,645	75,196	311,599	155,041	94,581	61,977	387,342	323,059	51,064	13,219
1977	549,059	372,609	125,479	50,971	256,703	123,783	92,364	40,556	292,356	248,826	33,115	10,415
1978	585,588	374,032	135,156	76,400	310,100	128,895	118,094	63,111	275,488	245,137	17,062	13,289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211,030	103,858	426,322	328,378	69,031	28,907
1980	984,882	449,123	338,487	197,272	521,728	106,671	270,706	144,351	463,154	342,452	67,781	52,921
1981	933,739	451,075	268,024	214,640	467,886	139,070	173,000	155,816	465,853	312,005	95,024	58,824
1982	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
1984	949,509	496,419	257,628	195,462	423,477	121,404	161,660	140,413	526,032	375,015	95,968	55,049
1985:												
1st qtr.	231,430	106,390	80,962	44,078	109,014	25,043	52,062	31,909	122,416	81,347	28,900	12,169
2d qtr.	225,957	117,879	64,082	43,996	97,304	29,336	35,730	32,238	128,653	88,543	28,352	11,758
3d qtr.	207,094	100,942	62,248	43,904	99,140	25,200	40,039	33,901	107,954	75,742	22,209	10,003
4th qtr.	241,389	101,325	94,852	45,212	118,798	26,163	56,634	36,001	122,591	75,162	38,218	9,211
1985 total	905,870	426,536	302,144	177,190	424,256	105,742	184,465	134,049	481,614	320,794	117,679	43,141
1986:												
1st qtr.	277,468	121,377	106,432	49,659	156,976	40,714	76,644	39,618	120,492	80,663	29,788	10,041
2d qtr.	227,141	119,658	104,643	52,840	175,318	47,630	82,157	45,531	101,823	72,028	22,486	7,309
3d qtr.	252,080	96,506	96,018	59,556	176,550	48,816	76,186	51,548	75,530	47,690	19,832	8,008
4th qtr.	332,344	125,523	144,091	62,730	226,377	55,245	119,106	52,026	105,967	70,278	24,985	10,704
1986 total	1,089,033	463,064	451,184	224,785	735,221	192,405	354,093	188,723	403,812	270,659	97,091	36,062
					To Japan							
1975	208,160	96,307	96,610	15,243	89,489	40,991	45,359	3,139	118,671	55,316	51,251	12,104
1976	186,628	68,927	107,884	9,817	127,553	39,430	80,891	7,232	59,075	29,497	26,993	2,585
1977	145,386	40,945	93,719	10,722	108,468	20,845	80,161	7,462	36,918	20,100	13,558	3,260
1978	163,233	36,429	108,610	18,194	141,963	25,609	103,056	13,289	21,270	10,820	5,554	4,896
1979	355,840	75,567	227,702	52,571	258,444	45,549	177,239	35,656	97,396	30,018	50,463	16,915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985:												
1st qtr.	122,149	23,806	74,152	24,191	76,575	10,508	49,015	17,052	45,574	13,298	25,137	7,139
2d qtr.	99,351	21,938	57,055	20,358	51,870	6,110	32,453	13,307	47,481	15,828	24,602	7,051
3d qtr.	103,631	21,500	58,890	23,241	56,993	4,823	36,819	15,351	46,638	16,677	22,071	7,890
4th qtr.	146,989	30,284	91,578	25,127	81,433	9,489	53,918	18,026	65,556	20,795	37,660	7,101
1985 total	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986:												
1st qtr.	155,743	32,239	99,769	23,735	99,359	13,155	70,526	15,678	56,384	19,084	29,243	8,057
2d qtr.	153,668	30,141	98,703	24,824	113,949	17,523	77,013	19,413	39,719	12,618	21,690	5,411
3d qtr.	143,890	25,181	88,453	30,256	110,418	17,539	69,241	23,638	33,472	7,642	19,212	6,618
4th qtr.	211,428	41,537	136,979	32,912	166,242	29,692	112,396	24,154	45,186	11,845	24,583	8,758
1986 total	664,729	129,098	423,904	111,727	489,968	77,909	329,176	82,883	174,761	51,189	94,728	28,844

Table 22--Softwood lumber exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 1/ (continued)

(In thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1975	113,213	61,099	4,299	47,815	112,783	61,099	3,869	47,815	0	0	0	0
1976	101,633	50,327	6,737	44,569	101,633	50,327	6,737	44,569	0	0	0	0
1977	76,251	45,842	3,695	26,714	76,251	45,842	3,695	26,714	0	0	0	0
1978	117,969	69,852	9,241	38,876	117,930	69,813	9,241	38,876	39	39	0	0
1979	113,977	38,917	18,870	56,190	113,977	38,917	18,870	56,190	0	0	0	0
1980	159,658	54,876	26,325	78,457	159,658	54,876	26,325	78,457	0	0	0	0
1981	213,594	91,861	20,598	101,135	213,594	91,861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	0
1984	109,979	45,625	7,559	56,795	109,979	45,625	7,559	56,795	0	0	0	0
1985:												
1st qtr.	24,386	10,670	1,329	12,387	24,386	10,670	1,329	12,387	0	0	0	0
2d qtr.	34,116	16,772	1,797	15,547	34,116	16,772	1,797	15,547	0	0	0	0
3d qtr.	33,256	15,134	1,654	16,468	33,241	15,119	1,654	16,468	15	15	0	0
4th qtr.	27,127	10,269	1,347	15,511	27,127	10,269	1,347	15,511	0	0	0	0
1985 total	118,885	52,845	6,127	59,913	118,870	52,830	6,127	59,913	15	15	0	0
1986:												
1st qtr.	37,119	15,527	1,512	20,080	37,119	15,527	1,512	20,080	0	0	0	0
2d qtr.	36,757	14,886	2,271	19,600	36,757	14,886	2,271	19,600	0	0	0	0
3d qtr.	39,647	14,319	3,171	22,157	39,647	14,319	3,171	22,157	0	0	0	0
4th qtr.	35,790	14,279	2,247	19,264	35,790	14,279	2,247	19,264	0	0	0	0
1986 total	149,313	59,011	9,201	81,101	149,313	59,011	9,201	81,101	0	0	0	0
					To Mainland China							
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985:												
1st qtr.	7,345	6,750	0	595	0	0	0	0	7,345	6,750	0	595
2d qtr.	10,056	7,248	2,808	0	0	0	0	0	10,056	7,248	2,808	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	89	0	0	89	89	0	0	89	0	0	0	0
1985 total	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986:												
1st qtr.	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	0	0	0	0	0	0	0	0	0	0	0	0
1986 total	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 23--Average value of softwood lumber exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1975	263.14	283.95	206.11	243.68	220.36	228.52	191.93	224.40	295.09	315.86	216.16	315.10
1976	318.61	350.52	220.15	306.38	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.34
1977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	366.89	424.78	291.66	359.59	303.23	304.87	291.53	313.02	442.78	471.22	292.09	486.70
1983	346.29	383.95	306.32	311.15	301.26	297.07	317.28	284.66	399.31	420.63	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985:												
1st qtr.	328.50	367.89	281.88	319.07	298.47	300.44	297.82	297.98	355.25	388.65	253.17	374.39
2d qtr.	336.08	376.01	284.65	304.01	299.08	314.88	305.63	277.45	364.06	396.26	258.21	376.86
3d qtr.	343.05	375.86	314.06	308.72	323.71	356.15	328.26	294.21	360.81	382.41	288.47	357.87
4th qtr.	331.73	370.92	300.41	309.60	312.16	322.28	323.27	287.34	350.69	387.85	266.54	396.60
1985 average	334.58	372.74	294.92	310.35	308.34	323.13	313.75	289.23	357.69	389.09	265.39	375.97
1986:												
1st qtr.	382.98	373.67	296.40	205.69	306.07	344.08	301.45	275.95	362.99	388.61	283.43	393.20
2d qtr.	368.54	424.78	318.50	340.26	330.85	352.77	317.78	331.49	433.43	472.39	321.13	394.90
3d qtr.	331.91	410.83	310.10	239.18	320.33	327.89	322.16	310.48	419.98	495.74	263.79	355.63
4th qtr.	375.84	438.64	331.25	352.57	338.04	349.94	332.40	338.35	456.57	508.37	325.81	421.68
1986 average	365.30	412.23	315.57	287.19	325.25	343.80	320.10	315.98	415.97	460.88	299.06	393.65
					To Japan							
1975	188.89	155.39	202.62	313.48	188.14	167.70	182.71	533.56	189.45	146.27	220.23	256.41
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
1977	243.68	249.38	240.35	250.06	246.50	266.64	240.37	256.19	235.40	231.45	240.28	239.31
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985:												
1st qtr.	294.36	307.77	285.74	307.59	269.09	269.31	297.20	309.39	291.46	338.15	263.40	303.30
2d qtr.	299.00	337.64	283.34	301.27	298.45	296.01	300.40	294.83	299.61	353.70	260.84	313.42
3d qtr.	310.97	292.04	311.71	326.59	326.91	312.55	325.60	334.58	291.48	286.10	288.55	311.05
4th qtr.	296.95	262.63	299.35	329.56	317.66	279.15	322.29	324.07	271.22	255.10	266.50	343.49
1985 average	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986:												
1st qtr.	306.40	312.30	294.91	346.69	309.79	326.41	300.17	339.12	300.43	302.57	282.23	361.43
2d qtr.	333.66	354.93	315.11	381.61	333.96	360.77	312.86	393.45	332.81	346.82	323.08	339.16
3d qtr.	327.12	335.58	306.70	379.79	329.53	308.39	318.94	376.21	319.18	398.00	262.56	392.56
4th qtr.	311.77	355.13	286.40	362.61	305.22	336.66	286.08	355.62	335.85	401.43	287.85	381.87
1986 average	318.89	340.57	299.32	368.10	318.31	333.98	302.28	367.23	320.54	350.60	289.05	370.60

Table 23--Average value of softwood lumber exports from Washington and Oregon Customs Districts, by origin, species, and destination, 1975-86 1/ (continued)

(In dollars per thousand board feet)

Year and quarter	From both States				From Washington Customs District				From Oregon Customs District			
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
To Canada												
1975	189.59	200.09	199.95	175.20	189.59	200.09	199.95	175.20	--	--	--	--
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11	--	--	--	--
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43	--	--	--	--
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	--	--	--	--
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985:												
1st qtr.	265.41	288.51	349.49	236.49	265.41	288.51	349.49	236.49	--	--	--	--
2d qtr.	264.78	290.07	348.60	227.80	264.78	290.07	348.60	227.80	--	--	--	--
3d qtr.	274.04	313.53	350.39	230.08	273.90	313.25	350.39	230.08	590.00	590.00	--	--
4th qtr.	258.61	296.99	317.23	228.12	258.61	296.99	317.23	228.12	--	--	--	
1985 average	266.09	297.82	342.38	230.30	266.05	297.74	342.38	230.30	590.00	590.00	-	--
1986:												
1st qtr.	261.44	310.45	355.23	216.47	261.44	310.45	355.23	283.68	--	--	--	--
2d qtr.	274.70	326.21	351.48	226.69	274.70	326.21	351.48	226.69	--	--	--	--
3d qtr.	271.49	330.45	299.83	229.33	271.49	330.45	299.83	229.33	--	--	--	--
4th qtr.	269.22	312.08	246.97	240.05	269.22	312.08	246.97	240.05	--	--	--	--
1986 average	269.24	319.67	308.77	228.05	269.24	319.67	308.77	244.69	--	--	--	--
To Mainland China												
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	--
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985:												
1st qtr.	300.60	276.52	--	573.71	--	--	--	--	300.60	276.52	--	573.71
2d qtr.	252.09	248.75	260.70	--	--	--	--	--	252.09	248.75	260.70	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	464.35	--	--	464.35	464.35	--	--	464.35	--	--	--	--
1985 average	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986:												
1st qtr.	203.99	216.34	186.87	202.56	186.87	--	186.87	--	216.00	216.34	--	202.56
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	--	--	--	--	--	--	--	--	--	--	--	--
1986 average	203.99	216.34	186.87	202.56	186.87	--	186.87	--	216.00	216.34	--	202.56

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 24--Softwood lumber exports from northern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
		To all countries		
1975	27,628	13,388	636	13,604
1976	40,585	14,430	462	25,693
1977	44,438	18,951	1,137	24,350
1978	32,919	12,931	684	19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982	52,717	13,855	7,536	31,326
1983	43,280	18,583	5,619	19,078
1984	23,203	10,250	617	12,336
1985:				
1st quarter	7,311	3,741	212	3,358
2d quarter	8,137	4,251	37	3,849
3d quarter	9,102	3,806	281	5,015
4th quarter	8,371	3,542	337	4,492
1985 total	32,921	15,340	867	16,714
1986:				
1st quarter	12,768	6,899	542	5,327
2d quarter	8,188	4,085	879	3,224
3d quarter	8,484	1,936	1,152	5,396
4th quarter	13,841	3,875	2,341	7,625
1986 total	43,281	16,795	4,914	21,572
		To Japan		
1975	4,303	337	0	3,966
1976	5,724	168	396	5,160
1977	7,766	1,354	0	6,412
1978	6,763	107	200	6,456
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982	38,213	7,285	6,581	24,347
1983	22,157	2,233	5,414	14,510
1984	10,127	345	321	9,461
1985:				
1st quarter	3,100	0	142	2,958
2d quarter	3,140	0	37	3,103
3d quarter	4,140	0	211	3,929
4th quarter	4,414	282	318	3,814
1985 total	14,794	282	708	13,804
1986:				
1st quarter	5,019	26	505	4,488
2d quarter	3,621	0	879	2,742
3d quarter	5,783	30	1,152	4,601
4th quarter	9,228	170	2,341	6,717
1986 total	23,651	226	4,877	18,548
		To Mainland China		
1981	93	0	0	93
1982	22	17	0	5
1983	0	0	0	0
1984	0	0	0	0
1985:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter	0	0	0	0
1985 total	0	0	0	0
1986:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter	0	0	0	0
1986 total	0	0	0	0

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Table 25--Softwood lumber exports from southern California ports, by species and destination, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Other softwoods
	To all countries		
1975	56,759	23,596	33,163
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	71,212	7,491	63,721
1983	35,727	2,603	33,124
1984	78,696	2,979	75,717
1985:			
1st quarter	15,150	238	14,912
2d quarter	23,214	365	22,849
3d quarter	27,301	826	26,475
4th quarter	30,270	638	29,632
1985 total	95,935	2,067	93,868
1986:			
1st quarter	27,261	528	26,733
2d quarter	29,803	547	29,256
3d quarter	27,336	623	26,713
4th quarter	34,073	825	33,248
1986 total	118,473	2,523	115,950
	To Japan		
1975	119	–	119
1976	377	–	377
1977	172	73	99
1978	471	–	471
1979	739	–	739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982	290	12	278
1983	2,699	22	2,677
1984	410	0	410
1985:			
1st quarter	40	0	40
2d quarter	40	0	40
3d quarter	69	0	69
4th quarter	0	0	0
1985 total	149	0	149
1986:			
1st quarter	15	0	15
2d quarter	18	0	18
3d quarter	11	0	11
4th quarter	123	0	123
1986 total	167	0	167

1/ Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 26--Softwood lumber exports from Alaska Customs District, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total	Western hemlock	Sitka spruce	Cedar	Other softwoods
			To all countries		
1975	313,307	179,398	132,556	1,353	0
1976	290,011	134,387	148,526	1,298	5,800
1977	250,044	122,544	121,350	5,579	571
1978	237,795	126,218	111,435	53	89
1979	278,462	172,005	103,844	479	2,134
1980	256,716	158,682	96,607	105	1,322
1981	195,981	104,974	91,007	0	0
1982	171,966	75,500	94,805	0	1,661
1983	136,660	70,791	64,193	0	1,676
1984	120,874	75,445	44,915	0	514
1985:					
1st quarter	31,001	19,971	11,030	0	0
2d quarter	27,802	18,609	9,193	0	0
3d quarter	22,049	15,005	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	87,127	59,426	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	24,418	14,923	8,478	0	1,017
3d quarter	24,148	17,634	6,375	0	139
4th quarter	32,591	17,478	13,425	0	1,688
1986 total	119,981	72,894	43,162	0	3,925
			To Japan		
1975	312,976	179,122	132,501	1,353	0
1976	289,197	134,274	148,221	902	5,800
1977	245,445	122,471	121,083	1,391	500
1978	236,615	125,355	111,207	53	0
1979	273,615	170,149	101,408	435	1,623
1980	251,369	156,654	94,610	105	0
1981	161,794	82,753	79,041	0	0
1982	155,826	71,192	83,966	0	668
1983	119,662	64,250	53,814	0	1,598
1984	117,425	72,805	44,620	0	0
1985:					
1st quarter	30,716	19,686	11,030	0	0
2d quarter	27,611	18,418	9,193	0	0
3d quarter	21,379	14,335	7,044	0	0
4th quarter	6,275	5,841	434	0	0
1985 total	85,981	58,280	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	23,426	14,923	8,478	0	25
3d quarter	24,127	17,634	6,354	0	139
4th quarter	32,565	17,478	13,425	0	1,662
1986 total	118,942	72,894	43,141	0	2,907
			To Mainland China		
1981	27,149	18,428	8,721	0	0
1982	13,153	3,307	9,846	0	0
1983	12,254	6,428	5,826	0	0
1984	0	0	0	0	0
1985:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter	0	0	0	0	0
1985 total	0	0	0	0	0
1986:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter	0	0	0	0	0
1986 total	0	0	0	0	0

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 27--Softwood lumber exports to Canada from the Montana Customs District, 1975-86 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
1975	50,226	12,745	4,516	32,965
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982	47,418	8,595	690	38,133
1983	69,222	12,534	852	55,836
1984	57,574	7,898	683	48,993
1985:				
1st quarter	7,298	1,659	15	5,624
2d quarter	9,684	2,517	133	7,034
3d quarter	10,020	2,421	112	7,487
4th quarter	7,524	1,985	134	5,405
1985 total	34,526	8,582	394	25,550
1986:				
1st quarter	9,152	1,958	46	7,148
2d quarter	8,884	2,377	285	6,222
3d quarter	9,003	1,907	264	6,832
4th quarter	7,434	1,971	182	5,281
1986 total	34,473	8,213	777	25,483

1/ Montana Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

Table 28--Lumber exports from British Columbia ports, by species and destination, 1975-86

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1975	3,001,410	356,371	1,113,665	295,218	825,527	409,507	1,122
1976	4,670,033	542,197	1,967,446	467,829	1,191,429	499,853	1,279
1977	5,860,807	683,614	2,364,028	533,267	2,269,876	8,796	1,226
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	1/1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985:							
1st quarter	1,376,844	119,880	555,574	200,198	52,916	447,701	575
2d quarter	1,572,948	176,669	540,403	244,907	56,080	554,090	799
3d quarter	1,445,216	173,420	525,029	207,947	47,730	490,060	1,030
4th quarter	1,461,701	136,483	545,411	210,242	60,614	508,450	501
1985 total	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986:							
1st quarter	R1,580,036	125,294	583,986	R223,389	47,355	599,364	648
2d quarter	R1,844,791	186,206	685,894	275,193	47,094	649,871	533
3d quarter	R1,379,325	R137,637	R498,954	R215,679	R31,779	R494,852	424
4th quarter	913,294	57,152	293,172	147,788	37,444	377,364	374
1986 total	5,717,446	506,289	2,062,006	862,049	163,672	2,121,451	1,979
			To Japan				
1975	407,674	12,870	301,336	60,490	30,488	2,405	85
1976	633,863	13,727	476,927	79,934	61,743	1,521	11
1977	705,823	18,530	530,567	90,447	65,943	85	251
1978	779,135	23,799	545,983	116,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985:							
1st quarter	246,874	9,887	140,300	33,724	23,077	39,734	152
2d quarter	257,074	14,748	141,585	34,895	22,622	42,995	229
3d quarter	202,368	13,138	116,043	25,609	16,096	31,317	165
4th quarter	289,345	19,204	181,136	34,322	24,792	29,845	46
1985 total	995,661	56,977	579,064	128,550	86,587	143,891	592
1986:							
1st quarter	246,869	8,536	155,444	31,720	19,418	31,733	18
2d quarter	267,870	19,549	148,395	41,196	25,025	33,657	48
3d quarter	R214,259	R16,355	R112,151	R34,079	R20,678	30,890	106
4th quarter	189,621	11,630	76,646	34,215	29,363	37,618	149
1986 total	918,619	56,070	492,636	141,210	94,484	133,898	321

Table 28--Lumber exports from British Columbia ports, by species and destination, 1975-86 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States 2/				
1975	2,026,343	238,331	542,256	166,949	684,404	393,391	1,012
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985:							
1st quarter	862,485	67,960	276,248	148,040	29,224	340,614	399
2d quarter	1,112,808	108,113	314,696	196,659	32,722	460,128	490
3d quarter	1,054,071	112,404	339,837	167,914	30,266	402,917	733
4th quarter	927,245	63,956	252,108	156,284	34,767	419,689	441
1985 total	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986:							
1st quarter	R1,050,010	67,103	301,512	R170,034	27,019	482,712	630
2d quarter	1,257,900	117,029	382,338	210,653	21,014	526,393	473
3d quarter	R978,051	R102,139	R309,693	R165,054	9,587	R391,279	299
4th quarter	539,097	24,246	166,471	103,331	5,544	239,280	225
1986 total	3,825,058	310,517	1,160,014	650,072	63,164	1,639,664	1,627
			To Mainland China				
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985:							
1st quarter	20,601	0	20,601	0	0	0	0
2d quarter	25,677	0	25,677	0	0	0	0
3d quarter	18,487	672	17,815	0	0	0	0
4th quarter	39,516	0	39,516	0	0	0	0
1985 total	104,281	672	103,609	0	0	0	0
1986:							
1st quarter	16,470	0	16,092	0	0	378	0
2d quarter	12,850	0	12,850	0	0	0	0
3d quarter	5,092	0	5,092	0	0	0	0
4th quarter	5,885	0	5,885	0	0	0	0
1986 total	40,297	0	39,919	0	0	378	0

1/ Incomplete; does not include all "Other softwoods" or "Hardwoods."

2/ Figures do not include shipments of railroad crossties.

R = revised.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 29--Plywood exports from Washington and Oregon Customs Districts, by origin and destination, 1975-86

(In thousand square feet)

Year and quarter	From both customs districts		From Washington Customs District		From Oregon Customs District	
	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
			To all countries			
1975	407,117	10,493	93,951	10,360	313,166	133
1976	532,576	24,229	34,020	23,846	498,556	383
1977	233,762	17,673	20,603	17,447	213,159	226
1978	242,105	12,160	23,284	8,871	218,821	3,289
1979	330,018	9,962	27,132	9,644	302,886	318
1980	279,003	9,718	20,747	8,806	258,256	912
1981	327,967	18,645	65,729	17,333	262,238	1,312
1982	221,609	9,435	36,268	9,346	185,341	89
1983	322,386	16,541	38,008	16,320	284,378	221
1984	156,715	9,140	23,663	9,126	133,052	284
1985:						
1st quarter	31,896	2,453	5,035	2,453	26,861	0
2d quarter	10,319	2,649	3,440	2,511	6,879	138
3d quarter	10,621	1,198	2,717	1,198	7,904	0
4th quarter	41,840	3,574	4,499	3,041	37,341	533
1985 total	94,676	9,874	15,691	9,203	78,985	671
1986:						
1st quarter	62,589	1,200	3,650	1,200	58,939	0
2d quarter	42,842	2,625	3,153	2,298	39,689	327
3d quarter	32,065	2,614	3,854	2,614	28,211	0
4th quarter	66,740	6,183	15,724	6,163	51,016	20
1986 total	204,236	12,622	26,381	12,275	177,855	347
			To Japan			
1975	2,141	14	414	0	1,727	14
1976	2,361	61	498	61	1,863	0
1977	1,914	162	122	74	1,792	88
1978	2,821	18	167	18	2,654	0
1979	6,040	108	931	108	5,109	0
1980	8,301	978	4,158	978	4,143	0
1981	5,056	13	2,162	12	2,894	1
1982	6,720	19	3,152	19	3,568	0
1983	5,680	16	3,973	0	1,707	16
1984	6,429	0	2,054	0	4,375	0
1985:						
1st quarter	1,937	44	668	44	1,269	0
2d quarter	1,509	178	357	40	1,152	138
3d quarter	1,396	0	238	0	1,158	0
4th quarter	1,208	533	47	0	1,161	533
1985 total	6,050	755	1,310	84	4,740	671
1986:						
1st quarter	1,966	0	540	0	1,426	0
2d quarter	1,803	24	506	24	1,297	0
3d quarter	2,197	0	61	0	2,136	0
4th quarter	1,678	15	170	15	1,508	0
1986 total	7,644	39	1,277	39	6,367	0
			To Mainland China			
1982	0	1	0	1	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	0	0
4th quarter	0	0	0	0	0	0
1985 total	0	0	0	0	0	0
1986:						
1st quarter	0	0	0	0	0	0
2d quarter	0	0	0	0	0	0
3d quarter	0	0	0	0	0	0
4th quarter	0	0	0	0	0	0
1986 total	0	0	0	0	0	0

Source: U.S. Department of Commerce. Oregon Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Washington Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 30--Plywood exports from California, 1975-86 1/

(In thousand square feet)

Year and quarter	Total	Northern California		Southern California	
		Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
1975	19,619	7,874	542	6,311	4,892
1976	19,696	10,085	92	4,681	5,111
1977	9,198	5,148	646	1,818	1,586
1978	6,036	2,833	899	964	1,340
1979	5,934	1,638	871	1,946	1,479
1980	9,054	1,414	849	3,546	3,245
1981	9,349	2,424	487	2,830	3,608
1982	7,464	3,026	1,364	1,557	1,517
1983	8,128	3,442	974	1,330	2,382
1984	9,405	2,608	513	1,629	4,655
1985:					
1st quarter	1,891	513	98	143	1,137
2d quarter	3,083	744	95	540	1,704
3d quarter	5,773	3,018	88	681	1,986
4th quarter	4,731	1,964	44	356	2,367
1985 total	15,478	6,239	325	1,720	7,194
1986:					
1st quarter	8,979	1,467	15	1,896	5,601
2d quarter	8,453	1,473	511	3,828	2,641
3d quarter	5,607	321	14	3,507	1,765
4th quarter	4,524	970	B	1,746	1,800
1986 total	27,563	4,231	548	10,977	11,807

1/ Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown.

Table 31--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985 Total	1985 4th qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Montana:											
U.S. Forest Service 1/	536,133	547,509	589,875	457,599	552,665	80,804	84,140	160,867	183,450	68,165	496,622
U.S. Bur. Land Manage. 2/	9,061	6,265	16,375	4,647	7,940	671	2,714	2,879	2,250	2,416	10,259
U.S. Bur. Indian Affairs	24,693	17,198	13,136	23,891	19,671	4,865	795	7,485	13,335	557	22,172
State of Montana	28,853	25,470	23,553	22,095	23,280	4,028	4,769	7,057	7,893	6,364	26,083
Total	598,740	596,442	642,939	508,232	603,556	90,368	92,418	178,288	206,928	77,502	555,136
Idaho:											
U.S. Forest Service 1/	741,147	687,320	686,650	674,122	704,023	104,817	140,029	168,682	239,670	101,250	649,631
U.S. Bur. Land Manage. 2/	33,221	11,538	12,133	2,302	10,990	110	7,194	9,005	4,841	605	21,645
U.S. Bur. Indian Affairs	14,484	7,070	8,605	6,850	4,994	1,169	784	0	0	0	784
State of Idaho	14,820	38,727	82,674	181,552	127,863	6,027	22,659	33,601	53,423	14,381	191,842
Total	803,672	744,655	790,062	864,826	847,870	112,123	170,666	211,288	297,934	116,236	863,902
All public lands:											
U.S. Forest Service 1/	1,277,280	1,234,829	1,276,525	1,131,721	1,256,688	185,621	224,169	329,549	423,120	169,415	1,146,253
U.S. Bur. Land Manage. 2/	42,282	17,803	28,508	6,949	18,399	781	9,908	11,884	7,091	3,021	31,904
U.S. Bur. Indian Affairs	39,177	24,268	21,741	30,741	24,665	6,034	1,579	7,485	13,335	557	22,956
State of Montana	28,853	25,470	23,553	22,095	23,280	4,028	4,769	7,057	7,893	6,364	26,083
State of Idaho	14,820	38,727	82,674	181,552	127,863	6,027	22,659	33,601	53,423	14,381	191,842
Total	1,402,412	1,341,097	1,433,001	1,373,058	1,451,695	202,491	263,084	389,576	504,862	193,738	1,419,038

1/ Convertible products only.

2/ Does not include cull log sales.

Source: respective agencies listed.

Table 32--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985		1986				
					Average	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
Montana:											
U.S. Forest Service 1/	57.46	29.80	33.97	27.12	23.30	32.66	23.41	14.91	25.44	28.89	22.16
U.S. Bur. Land Manage. 2/	39.52	32.17	22.78	27.46	16.71	29.79	23.83	24.63	55.00	39.89	34.67
U.S. Bur. Indian Affairs	65.05	73.50	51.13	34.08	41.39	114.27	81.50	54.29	69.16	31.43	63.63
State of Montana	99.28	81.39	83.70	72.37	79.34	76.01	60.40	68.55	67.23	61.13	64.85
Average	59.52	33.28	35.86	29.42	25.97	38.96	25.83	18.84	30.18	31.90	26.05
Idaho:											
U.S. Forest Service 1/	43.27	28.28	47.13	46.45	23.74	14.73	22.89	31.92	38.44	37.92	33.31
U.S. Bur. Land Manage. 2/	55.45	26.71	75.56	96.26	40.25	80.54	21.38	20.98	32.47	57.43	24.70
U.S. Bur. Indian Affairs	83.15	78.79	78.71	82.36	55.09	87.48	94.71	--	--	--	94.71
State of Idaho	101.83	45.28	71.04	63.18	61.31	49.21	60.87	43.34	47.48	66.05	56.26
Average	44.88	29.62	50.41	50.38	29.80	17.41	28.20	33.27	39.96	41.50	38.25
All public lands:											
U.S. Forest Service 1/	49.22	28.95	41.05	38.63	23.56	22.54	23.08	23.61	32.80	34.29	28.48
U.S. Bur. Land Manage. 2/	38.92	28.63	45.24	50.25	30.07	36.94	22.05	21.86	39.62	43.40	27.91
U.S. Bur. Indian Affairs	71.74	75.04	62.04	44.84	44.16	109.08	88.06	54.29	69.12	31.43	64.70
State of Montana	99.28	81.39	83.70	72.37	79.34	76.01	60.40	68.55	67.23	61.13	64.85
State of Idaho	101.83	45.28	71.04	63.18	61.31	49.21	60.87	43.34	47.48	66.05	56.26
Average	51.13	31.25	43.88	42.62	28.21	27.03	27.37	26.67	35.95	37.66	33.48

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Does not include cull log prices.

Source: respective agencies listed.

Table 33–Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1975	14.40	22.40	36.20	19.20	10.90	2.00	42.50	20.30	4.80	18.30
1976	23.00	56.80	91.40	16.70	42.20	9.60	45.80	52.90	9.30	35.40
1977	41.50	96.60	122.70	38.30	61.40	11.90	72.00	72.20	20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	69.60	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	60.90	28.30	37.70	36.20
1983	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70
1984	46.90	66.50	104.90	37.30	39.00	44.50	106.70	49.50	45.00	49.20
1985	34.10	58.70	108.30	28.40	37.70	35.70	91.50	35.00	32.70	37.80
1986:										
1st quarter	29.90	45.00	16.70	33.20	24.90	9.90	38.00	30.60	16.90	27.00
2d quarter	31.40	47.70	136.80	29.50	36.00	35.80	56.50	27.10	25.20	32.10
3d quarter	39.80	72.50	145.80	41.70	36.80	46.60	87.70	41.30	43.90	44.70
4th quarter	43.60	108.40	108.90	40.70	55.80	27.60	67.80	34.40	36.00	46.30
1986 average	35.10	64.30	119.20	35.90	37.60	34.60	73.10	32.90	32.10	37.40

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

Table 34--Volume of timber sold on publicly owned or managed lands in California, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	1,899,263	1,617,664	1,786,681	1,490,204	1,608,346	159,491	351,501	284,820	622,698	213,093	1,472,112
U.S. Bur. Land Manage. 2/	14,471	33,385	8,919	13,140	16,616	355	187	6,174	13,897	140	20,398
U.S. Bur. Indian Affairs	11,000	63,595	3,000	3,634	4,342	0	14,533	26,096	40,900	0	81,529
State of California	10,480	34,726	31,452	33,529	27,232	0	21,274	1,163	32	8,841	31,316
Total	1,935,214	1,749,370	1,830,052	1,540,507	1,656,536	159,846	387,495	318,259	677,527	222,074	1,605,355

1/ Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 35--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1981-86

(In dollars per thousand board feet)

Agency	1981	1982	1983	1984	1985		1986				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/ 2/	149.78	53.87	70.66	61.08	56.35	74.94	76.36	73.51	59.72	97.54	71.84
U.S. Bur. Land Manage. 3/	84.26	41.10	78.47	63.21	48.16	14.78	13.51	66.49	60.65	26.64	61.75
U.S. Bur. Indian Affairs	224.73	153.90	110.00	48.24	89.98	--	63.75	62.72	107.02	--	85.13
State of California	190.57	133.93	188.59	174.30	131.16	--	105.82	52.62	23.22	105.61	103.69
Average	180.70	58.86	72.79	63.53	57.58	74.80	77.47	72.41	62.60	97.82	73.01

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 36--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1975	51.40	71.00	99.00	22.40	79.90	19.70	53.80
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985:							
1st quarter	64.00	83.60	93.10	26.30	58.90	31.90	60.80
2d quarter	61.30	109.10	94.60	50.20	79.60	25.90	61.40
3d quarter	64.20	88.60	113.30	10.10	170.80	42.60	75.90
4th quarter	53.80	179.90	176.00	5.50	66.30	33.50	98.20
1985 average	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986:							
1st quarter	61.60	145.50	151.20	31.00	63.30	31.70	84.30
2d quarter	78.90	138.30	127.50	9.80	79.70	65.50	93.70
3d quarter	64.15	88.64	113.27	10.14	170.75	42.63	75.85
4th quarter	68.92	169.11	208.58	5.44	184.67	54.97	119.11
1986 average	66.49	125.62	134.43	10.82	132.69	46.08	87.23

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

Table 37—Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985 Total	1985 4th qtr.	1986 1st qtr.	1986 2d qtr.	1986 3d qtr.	1986 4th qtr.	1986 Total
Western Washington:										
U.S. Forest Service 1/	1,066,085	1,153,819	996,173	699,004	103,495	252,012	262,867	363,180	258,763	1,136,822
U.S. Bur. Land Manage.	0	0	0	60	0	0	2,629	2,323	0	4,952
U.S. Bur. Indian Aff.	2,535	13,653	19,587	25,739	18,207	3,776	12,083	1,303	9,259	26,421
State of Washington 2/	601,935	637,295	448,105	768,035	205,155	217,027	161,515	143,399	209,060	731,001
Total	1,670,555	1,704,767	1,463,865	1,492,838	326,857	472,815	439,094	510,205	477,082	1,899,196
Eastern Washington:										
U.S. Forest Service 1/	322,315	495,326	350,177	344,653	54,673	83,089	124,267	167,547	107,945	482,848
U.S. Bur. Land Manage.	3,025	3,414	2,185	4,016	150	13	0	0	373	386
U.S. Bur. Indian Aff.	44,583	165,656	106,603	227,939	69,530	14,679	16,798	22,159	39,129	92,765
State of Washington 2/	89,620	62,235	60,305	98,235	21,350	27,030	42,810	18,190	26,760	114,790
Total	459,543	726,631	519,270	674,843	145,703	124,811	183,875	207,896	174,207	690,789
Western Oregon:										
U.S. Forest Service 1/	2,418,057	2,179,345	2,271,941	2,123,325	241,267	582,471	671,402	913,285	446,757	2,613,915
U.S. Bur. Land Manage.	1,214,330	1,045,924	1,042,117	974,921	232,731	349,466	395,762	473,503	255,780	1,474,511
U.S. Bur. Indian Aff.	0	2,361	3,212	7,951	0	0	0	0	6,158	6,158
State of Oregon	301,947	268,416	208,797	198,017	37,335	21,945	34,975	54,626	78,956	190,502
Total	3,934,334	3,496,046	3,526,067	3,304,217	511,333	953,882	1,102,139	1,441,414	787,651	4,285,086
Eastern Oregon:										
U.S. Forest Service 1/	1,164,264	1,148,349	1,279,703	1,099,194	137,778	256,483	457,208	503,053	326,988	1,543,732
U.S. Bur. Land Manage.	15,197	19,212	14,078	21,627	49	0	0	9,519	0	9,519
U.S. Bur. Indian Aff.	89,438	17,370	73,180	93,700	0	43,060	21,758	8,230	0	73,048
State of Oregon	13,350	1,726	6,713	243	0	0	0	5,606	2,729	8,335
Total	1,282,249	1,186,657	1,373,674	1,214,764	137,827	299,543	478,966	526 408	329,717	1,634,634
All public lands:										
U.S. Forest Service 1/	4,970,721	4,976,839	4,897,994	4,266,176	537,213	1,174,055	1,515,744	1,947,065	1,140,453	5,777,317
U.S. Bur. Land Manage.	1,232,552	1,068,550	1,058,380	1,000,624	232,930	349,479	398,391	485,345	256,153	1,489,368
U.S. Bur. Indian Aff.	136,556	199,040	202,582	355,329	87,737	61,515	50,639	31,692	54,546	198,392
State of Washington 2/	691,555	699,530	508,410	866,270	226,505	244,057	204,325	161,589	235,820	845,791
State of Oregon	315,297	270,142	215,510	198,260	37,335	21,945	34,975	60,232	81,685	198,837
Total	7,346,681	7,214,101	6,882,876	6,686,659	1,121,720	1,851,051	2,204,074	2,685,923	1,768,657	8,509,705

1/ Convertible products only.

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 38--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1982-86

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985		1986				
				Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
U.S. Forest Service 1/	61.48	73.84	61.92	62.47	79.77	92.62	91.21	79.00	106.31	91.06
U.S. Bur. Land Manage.	--	--	--	95.00	--	--	48.16	76.91	--	61.64
U.S. Bur. Indian Aff.	128.64	97.71	69.87	54.85	49.08	82.50	73.42	113.28	46.71	67.32
State of Washington 2/	146.88	138.41	118.70	111.38	119.05	120.36	114.36	139.29	157.75	133.44
Average	92.35	96.82	79.41	87.50	102.71	105.27	98.98	96.02	127.70	106.96
Eastern Washington:										
U.S. Forest Service 1/	30.61	38.60	29.86	28.40	19.63	50.46	31.85	29.43	28.59	33.49
U.S. Bur. Land Manage.	43.64	51.84	28.49	31.54	55.00	55.00	--	--	41.53	41.98
U.S. Bur. Indian Aff.	191.17	127.06	157.14	151.94	161.46	80.45	94.49	220.23	108.93	128.39
State of Washington 2/	115.52	67.83	110.78	71.27	74.97	126.97	101.82	67.42	125.77	107.87
Average	62.38	61.34	65.26	76.54	95.46	70.56	53.87	53.09	61.59	58.60
Western Oregon:										
U.S. Forest Service 1/	92.44	129.33	96.70	81.91	89.04	100.56	125.90	117.73	120.81	116.53
U.S. Bur. Land Manage.	89.40	131.14	101.19	82.32	86.69	89.27	100.62	89.91	104.26	95.12
U.S. Bur. Indian Aff.	--	170.20	126.56	156.29	--	--	--	--	161.02	161.02
State of Oregon	117.52	165.39	129.92	133.07	138.69	102.07	161.42	134.20	131.43	134.35
Average	93.43	132.67	100.02	85.28	91.60	96.46	117.95	109.22	116.81	110.02
Eastern Oregon:										
U.S. Forest Service 1/	77.28	81.70	73.61	83.68	103.26	128.06	78.97	108.97	114.18	104.36
U.S. Bur. Land Manage.	62.45	57.58	39.17	32.48	57.96	--	--	41.72	--	42.17
U.S. Bur. Indian Aff.	82.85	140.60	109.02	86.41	--	101.58	117.05	77.57	--	103.48
State of Oregon	111.66	59.68	120.29	92.93	--	--	--	69.33	40.46	59.88
Average	56.33	82.14	75.37	82.98	103.24	124.26	80.70	106.84	113.57	103.73
All public lands:										
U.S. Forest Service 1/	72.69	96.45	78.80	74.88	83.84	101.32	98.02	100.65	106.89	101.33
U.S. Bur. Land Manage.	88.96	129.56	100.21	81.03	86.67	89.28	100.28	88.90	104.17	94.66
U.S. Bur. Indian Aff.	119.00	126.74	130.83	127.73	138.14	95.37	99.16	178.78	104.25	112.10
State of Washington 2/	142.82	132.13	117.76	106.83	114.89	121.09	111.73	131.20	154.12	129.97
State of Oregon	114.27	164.71	129.62	149.48	138.69	102.07	161.42	128.16	128.39	131.23
Average	84.80	108.20	88.09	84.96	96.77	101.46	100.73	101.90	113.71	103.96

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 39--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir		Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars 2/	Larch	Noble fir and Shasta red fir	Other true firs	All species
	West side	East side												
1975	169.50	34.30	43.10	109.90	84.40	15.40	13.70	75.90	68.50	119.20	5.80	117.70	45.10	101.60
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1977	225.90	71.20	138.40	162.80	142.70	35.40	36.50	103.00	89.20	149.60	62.10	128.90	85.10	153.80
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985:														
1st quarter	124.70	37.30	151.70	163.60	140.50	21.20	17.20	90.60	50.40	140.40	35.00	53.50	39.50	101.80
2d quarter	119.60	28.70	160.00	196.90	95.30	8.90	32.80	61.20	51.90	109.80	79.40	67.80	50.20	97.90
3d quarter	129.30	28.90	181.50	191.60	79.20	15.20	16.30	65.30	42.80	117.10	41.70	55.40	35.70	98.40
4th quarter	132.80	32.40	179.30	247.30	41.10	13.10	34.70	52.40	68.80	129.20	43.60	53.60	40.10	114.20
1985 average	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986:														
1st quarter	157.50	41.90	205.00	177.90	73.60	5.90	20.70	101.00	67.10	105.50	48.90	11.90	53.70	129.40
2d quarter	165.80	31.90	159.30	224.40	133.80	10.50	104.90	93.80	80.50	208.90	25.50	55.00	R42.00	121.50
3d quarter	154.90	41.80	209.20	213.90	129.60	15.00	21.30	24.40	68.90	155.70	53.90	71.90	49.70	127.60
4th quarter	168.20	18.10	214.30	180.30	96.10	7.80	10.20	118.80	83.20	156.10	64.00	142.70	47.80	135.30
1986 average	160.70	34.10	196.30	199.10	116.70	9.40	38.10	93.90	74.10	156.30	48.50	84.30	47.70	127.90

1/ Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Includes Port-Orford-cedar.

R = revised.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 40--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood--												
1st quarter	32,675	184.96	3,900	76.67	300	19.43	22,275	104.72	5,520	35.70	80,922	111.31
2d quarter	80,280	178.60	5,360	67.38	1,805	71.53	48,176	94.32	6,230	14.97	164,420	119.98
3d quarter	45,036	148.65	27,410	103.99	7,030	184.89	18,033	131.20	4,350	19.05	123,594	109.07
4th quarter	39,180	166.53	180	14.25	0	--	18,500	58.50	540	39.00	67,340	114.08
Total and average	197,171	170.42	36,850	95.34	9,135	157.06	106,984	96.51	16,640	23.69	436,276	114.38
Rogue River--												
1st quarter	12,080	155.43	0	--	1,150	132.84	0	--	7,080	21.86	21,685	109.81
2d quarter	36,420	135.84	0	--	4,010	186.24	0	--	24,580	58.49	74,340	101.39
3d quarter	25,230	142.09	0	--	2,570	60.64	0	--	17,890	53.09	60,430	108.32
4th quarter	25,730	144.37	0	--	0	--	0	--	12,560	75.47	54,580	121.42
Total and average	99,460	142.02	0	--	7,730	136.54	0	--	62,110	56.18	211,035	109.43
Siskiyou--												
1st quarter	35,760	89.62	0	--	0	--	280	22.49	70	30.27	44,431	80.83
2d quarter	40,890	81.31	0	--	250	56.23	1,800	8.54	140	22.46	53,690	147.09
3d quarter	56,930	79.34	0	--	0	--	1,240	10.29	770	24.07	71,700	117.77
4th quarter	56,310	137.31	0	--	0	--	1,210	9.50	1,380	30.78	71,740	130.36
Total and average	189,890	98.89	0	--	250	56.23	4,530	10.14	2,360	28.08	241,561	121.23
Siuslaw--												
1st quarter	33,172	144.74	0	--	0	--	460	68.15	0	--	35,388	138.83
2d quarter	69,692	161.80	0	--	0	--	11,520	64.76	0	--	90,987	142.50
3d quarter	134,550	127.06	0	--	0	--	9,630	65.16	0	--	149,451	120.19
4th quarter	40,250	121.37	0	--	0	--	3,680	80.16	0	--	47,170	117.41
Total and average	277,664	137.07	0	--	0	--	25,290	67.21	0	--	322,996	128.12
Umpqua--												
1st quarter	89,790	147.35	0	--	0	--	7,120	15.64	3,500	11.60	136,445	111.95
2d quarter	64,037	179.92	0	--	600	46.56	4,590	7.86	2,000	19.45	93,407	136.69
3d quarter	75,360	129.57	0	--	100	99.95	9,500	11.47	2,510	20.89	110,600	98.75
4th quarter	54,010	148.75	0	--	0	--	2,900	29.29	1,900	13.20	80,160	112.38
Total and average	283,197	150.25	0	--	700	54.19	24,110	14.16	9,910	15.84	420,612	114.06
Willamette--												
1st quarter	157,367	131.52	0	--	0	--	25,033	21.30	50	90.88	248,528	92.81
2d quarter	107,968	191.55	0	--	329	126.88	18,330	12.58	1,000	6.00	160,689	138.96
3d quarter	240,670	183.89	0	--	0	--	44,065	17.13	3,100	13.90	363,673	129.68
4th quarter	86,450	184.03	0	--	0	--	15,700	43.23	2,300	12.46	133,550	137.82
Total and average	592,455	171.40	0	--	329	126.88	103,128	21.31	6,450	11.83	906,440	122.42
All western Oregon:												
1st quarter	360,844	138.16	3,900	76.67	1,450	109.37	55,168	54.65	16,220	24.60	567,399	102.64
2d quarter	399,287	165.52	5,360	67.38	6,994	137.21	84,416	66.01	33,950	46.51	637,533	130.55
3d quarter	577,776	148.70	27,410	103.99	9,700	151.10	82,468	46.93	28,620	40.05	879,448	118.85
4th quarter	301,930	155.00	180	14.25	0	--	41,990	51.26	18,680	57.03	454,540	124.55
Total and average	1,639,837	151.64	36,850	95.41	18,144	142.41	264,042	55.33	97,470	42.92	2,538,920	119.18
Western Washington:												
Gifford Pinchot--												
1st quarter	10,750	204.31	0	--	0	--	8,200	109.74	7,300	145.92	32,050	135.48
2d quarter	68,900	128.52	0	--	0	--	25,305	94.99	17,360	125.10	134,315	105.22
3d quarter	84,378	141.83	0	--	0	--	39,950	137.03	10,126	89.65	157,593	118.47
4th quarter	72,495	152.22	0	--	0	--	13,500	96.40	9,530	24.37	118,130	115.10
Total and average	236,523	143.98	0	--	0	--	86,955	115.92	44,316	98.77	442,088	114.78
Mount Baker-Snoqualmie--												
1st quarter	23,550	117.64	0	--	0	--	27,030	55.36	18,650	34.15	92,150	64.21
2d quarter	16,810	177.34	0	--	0	--	25,990	82.24	5,570	70.88	60,924	106.07
3d quarter	26,905	103.40	0	--	0	--	52,365	34.03	2,710	92.43	81,980	58.73
4th quarter	32,950	161.62	0	--	0	--	46,822	61.70	1,570	59.52	93,612	97.70
Total and average	100,215	138.29	0	--	0	--	152,207	54.56	28,500	48.27	328,666	82.89
Olympic--												
1st quarter	17,970	138.33	0	--	0	--	45,500	48.86	1,610	37.99	78,845	72.78
2d quarter	12,835	76.89	0	--	0	--	23,415	60.19	0	--	42,247	63.25
3d quarter	19,105	62.81	0	--	0	--	58,830	42.77	7,900	47.04	100,671	46.00
4th quarter	14,787	86.86	0	--	0	--	18,555	142.07	2,731	31.39	40,351	113.35
Total and average	64,697	92.08	0	--	0	--	146,300	60.05	12,241	42.36	262,114	67.20

Table 40--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	52,270	142.58	0	--	0	--	80,730	57.22	27,560	63.98	203,045	78.79
2d quarter	98,545	130.12	0	--	0	--	74,710	79.65	22,930	111.93	237,486	97.97
3d quarter	130,388	122.32	0	--	0	--	151,145	64.66	20,736	73.78	340,244	85.29
4th quarter	120,232	146.76	0	--	0	--	78,877	86.54	13,831	29.75	252,093	108.36
Total and average	401,435	134.19	0	--	0	--	385,462	70.48	85,057	73.73	1,032,868	92.56
All western Oregon and western Washington:												
1st quarter	413,114	138.72	3,900	76.67	1,450	109.37	135,898	56.17	43,780	49.39	770,444	96.35
2d quarter	497,832	158.52	5,360	67.38	6,994	137.21	159,126	72.41	56,880	72.88	875,019	121.71
3d quarter	708,164	143.84	27,410	103.99	9,700	151.10	233,613	58.40	49,356	54.22	1,219,692	109.49
4th quarter	422,162	152.65	190	14.25	0	--	120,867	74.28	32,511	45.42	706,633	118.77
Total and average	2,041,272	148.21	36,850	95.41	18,144	142.41	649,504	64.32	182,527	57.28	3,571,788	111.48
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	2,220	12.43	13,014	241.45	0	--	4,010	33.22	36,649	94.18
2d quarter	0	--	4,250	25.80	16,780	121.88	0	--	7,110	22.62	54,960	46.28
3d quarter	0	--	6,950	41.73	34,450	196.14	0	--	10,810	39.82	61,930	121.81
4th quarter	0	--	0	--	14,010	40.51	0	--	610	1.00	37,140	24.26
Total and average	0	--	13,420	31.84	78,254	159.89	0	--	22,540	32.17	190,679	75.73
Fremont--												
1st quarter	0	--	0	--	14,510	156.33	0	--	1,300	17.66	18,550	126.10
2d quarter	0	--	0	--	36,608	179.48	0	--	20,153	37.92	61,841	124.69
3d quarter	0	--	0	--	16,328	171.95	0	--	11,730	106.68	38,608	120.35
4th quarter	0	--	0	--	21,590	218.01	0	--	2,060	23.55	24,900	212.33
Total and average	0	--	0	--	89,036	183.67	0	--	35,243	59.22	143,899	138.88
Malheur--												
1st quarter	0	--	5,100	6.00	43,500	177.94	0	--	1,100	1.00	50,740	153.19
2d quarter	0	--	10,980	12.89	40,210	152.73	0	--	6,310	18.56	61,870	104.34
3d quarter	0	--	9,600	13.87	49,407	210.49	0	--	8,810	25.38	72,747	148.16
4th quarter	0	--	7,407	11.28	45,187	247.40	0	--	3,750	18.28	65,684	173.33
Total and average	0	--	33,087	11.75	178,304	198.88	0	--	19,970	20.55	251,041	144.96
Ochoco--												
1st quarter	0	--	6,630	22.80	51,740	251.39	0	--	4,130	13.48	62,500	211.42
2d quarter	0	--	2,700	6.00	42,950	163.61	0	--	1,700	1.00	47,350	148.78
3d quarter	0	--	5,000	8.97	43,290	226.58	0	--	1,300	7.16	49,590	198.89
4th quarter	0	--	3,800	16.46	39,050	246.92	0	--	2,800	13.05	45,650	213.39
Total and average	0	--	18,130	15.16	177,030	223.04	0	--	9,930	10.40	205,090	194.37
Umatilla--												
1st quarter	0	--	3,700	20.78	7,300	172.95	0	--	1,400	21.56	14,730	94.13
2d quarter	0	--	3,000	17.07	4,620	83.10	0	--	20,150	19.78	44,220	30.13
3d quarter	0	--	1,100	23.14	8,400	96.95	0	--	22,290	10.88	41,610	27.41
4th quarter	0	--	4,000	30.11	4,200	86.14	0	--	1,920	19.33	19,520	32.58
Total and average	0	--	11,800	23.22	24,520	115.12	0	--	45,760	15.48	120,080	37.43
Wallowa-Whitman--												
1st quarter	0	--	4,725	33.32	7,700	37.90	0	--	4,270	32.34	25,235	24.51
2d quarter	0	--	28,510	26.29	15,025	30.16	0	--	11,010	53.68	76,425	24.36
3d quarter	0	--	25,415	16.63	18,901	77.73	0	--	12,670	9.05	66,416	31.73
4th quarter	0	--	35,835	15.71	20,570	26.79	0	--	7,220	4.13	73,925	16.36
Total and average	0	--	94,485	20.03	62,196	44.46	0	--	35,170	24.84	242,001	23.95
Winema--												
1st quarter	0	--	0	--	16,250	241.93	0	--	3,200	2.48	36,200	109.37
2d quarter	0	--	0	--	39,920	217.00	0	--	6,760	26.26	61,650	144.65
3d quarter	0	--	2,400	6.00	59,500	298.50	0	--	29,930	38.87	98,430	193.23
4th quarter	0	--	0	--	23,850	303.73	0	--	1,500	98.07	32,750	226.05
Total and average	0	--	2,400	6.00	139,520	269.48	0	--	41,390	36.14	229,030	171.60
All eastern Oregon:												
1st quarter	0	--	R22,375	R19.83	R154,014	R205.46	0	--	19,410	18.87	244,604	133.86
2d quarter	0	--	49,440	21.60	196,113	159.52	0	--	73,193	30.21	408,316	87.84
3d quarter	0	--	50,465	18.44	230,276	216.34	0	--	97,540	35.22	429,331	128.34
4th quarter	0	--	51,042	16.25	168,457	203.33	0	--	19,860	18.54	299,569	122.05
Total and average	0	--	173,322	18.88	748,860	196.30	0	--	210,003	30.49	1,381,820	115.99

Table 40--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1986 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washington:												
Colville--												
1st quarter	0	--	3,820	58.35	300	20.86	0	--	1,770	24.81	7,902	40.22
2d quarter	0	--	11,540	23.54	2,560	32.44	100	17.85	8,400	19.94	35,995	22.32
3d quarter	0	--	27,333	40.29	3,734	72.92	1,900	13.06	1,288	20.79	51,791	34.09
4th quarter	0	--	7,470	22.42	280	120.50	272	20.47	6,000	57.90	44,892	38.34
Total and average	0	--	50,163	35.15	6,874	57.51	2,272	14.16	17,458	33.54	140,580	32.78
Okanogan--												
1st quarter	0	--	15,088	56.96	5,275	44.74	0	--	0	--	20,363	53.80
2d quarter	0	--	18,590	21.27	420	11.20	0	--	0	--	19,010	21.05
3d quarter	0	--	8,929	8.91	7,363	54.38	0	--	0	--	16,866	30.54
4th quarter	0	--	9,652	42.47	2,145	144.90	0	--	0	--	12,997	58.48
Total and average	0	--	52,259	33.38	15,203	62.61	0	--	0	--	69,236	40.02
Wenatchee--												
1st quarter	0	--	21,360	45.93	3,520	74.48	4,180	115.25	15,840	59.62	47,590	56.12
2d quarter	0	--	21,920	61.76	4,250	57.93	11,850	66.62	7,600	18.61	51,030	51.47
3d quarter	0	--	29,364	20.21	8,547	34.84	5,956	9.90	6,368	191.38	55,353	39.95
4th quarter	0	--	16,264	10.58	9,320	24.53	0	--	7,792	16.17	39,052	14.49
Total and average	0	--	88,908	34.87	25,637	40.36	21,986	60.50	37,600	64.64	193,025	41.83
All eastern Washington:												
1st quarter	0	--	40,268	51.24	9,095	55.46	4,180	115.25	17,610	56.12	75,855	53.84
2d quarter	0	--	52,050	39.82	7,230	46.19	11,950	66.21	16,000	19.31	106,035	36.12
3d quarter	0	--	65,626	27.04	19,644	49.40	7,856	10.67	7,656	162.68	124,010	36.22
4th quarter	0	--	33,386	22.45	11,745	48.80	272	20.47	13,792	34.32	96,941	31.44
Total and average	0	--	191,330	34.54	47,714	49.92	24,258	56.16	55,058	54.78	402,841	38.36
All eastern Oregon and eastern Washington:												
1st quarter	0	--	R62,643	R40.02	R163,109	R197.10	4,180	115.25	37,020	36.59	320,459	114.92
2d quarter	0	--	101,490	30.95	203,343	155.49	11,950	66.21	89,193	28.25	514,351	77.18
3d quarter	0	--	116,091	23.30	249,920	203.22	7,856	10.67	105,196	44.49	553,341	107.69
4th quarter	0	--	84,428	18.70	180,202	193.26	272	20.47	33,652	25.01	396,510	99.90
Total and average	0	--	364,652	27.09	783,560	190.64	24,258	56.16	265,061	35.54	1,784,661	98.46
Pacific Northwest Region:												
1st quarter	413,114	138.72	R66,543	R42.17	R164,559	R196.32	140,078	57.94	80,800	43.52	1,090,903	101.81
2d quarter	497,832	158.52	106,850	32.78	210,337	154.88	171,076	71.98	146,073	45.63	1,389,370	105.22
3d quarter	708,164	143.84	143,501	38.71	259,620	201.27	241,469	56.85	154,552	47.60	1,773,033	108.93
4th quarter	422,162	152.65	84,608	18.69	180,202	193.26	121,139	74.16	66,163	35.04	1,103,153	111.99
Total and average	2,041,272	148.21	401,502	33.36	814,718	189.55	673,762	64.03	447,588	44.61	5,356,459	107.15
All of Oregon:												
1st quarter	360,844	138.16	R26,275	R28.27	R155,464	R204.56	55,168	54.65	35,630	21.48	812,003	112.04
2d quarter	399,287	165.52	54,800	26.08	203,107	158.75	84,416	66.01	107,143	35.37	1,045,849	113.88
3d quarter	577,776	148.70	77,875	48.55	239,976	213.70	82,468	46.93	126,160	36.31	1,308,779	121.96
4th quarter	301,930	155.00	51,222	16.25	168,457	203.33	41,990	51.26	38,540	37.19	754,109	123.56
Total and average	1,639,837	151.64	207,952	32.64	767,004	195.02	264,042	55.33	307,473	34.43	3,920,740	118.06
All of Washington:												
1st quarter	52,270	142.58	40,268	51.24	9,095	55.46	84,910	60.07	45,170	60.91	278,900	72.00
2d quarter	98,545	130.12	52,050	39.82	7,230	46.19	86,660	77.79	38,930	73.86	343,521	78.88
3d quarter	130,388	122.32	65,626	27.04	19,644	49.40	159,001	61.99	28,392	97.75	464,254	72.18
4th quarter	120,232	146.76	33,386	22.45	11,745	48.80	79,149	86.32	27,623	32.03	349,034	86.99
Total and average	401,435	134.19	191,330	34.54	47,714	49.92	409,720	69.64	140,115	66.28	1,435,709	77.35

1/ Preliminary.

2/ Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

3/ Does not include noble fir or Shasta red fir.

R = revised.

Source: U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 41–Volume of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/ 2/	163,700	71,429	79,994	58,411	51,110	18,407	5,888	104,790	60,622	84,298	255,598
U.S. Bur. Land Manage.3/	32	1,270	0	0	66	0	0	252	0	70	322
U.S. Bur. Indian Affairs	200	7,680	0	0	871	0	0	0	0	0	0
State of Alaska	18,402	24,154	72,145	21,087	20,178	6,252	2,642	3,692	4,059	2,718	13,111
Total	182,334	104,533	152,139	79,498	72,225	24,659	8,530	108,734	64,681	87,086	269,031

1/ Excludes sales under $2,000.

2/ Convertible products only.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 42--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1981-86

(In thousand board feet, Scribner scale)

Agency	1981	1982	1983	1984	1985		1986				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	46.91	32.03	14.82	15.95	6.97	4.09	15.07	4.89	14.05	10.42	9.12
U.S. Bur. Land Manage.2/	34.00	28.08	--	--	9.47	--	--	46.37	--	16.09	39.79
U.S. Bur. Indian Affairs	2.00	122.40	--	--	46.93	--	--	--	--	--	--
State of Alaska	19.21	18.23	87.96	14.95	15.53	16.53	14.57	15.21	11.97	14.25	13.88
Average	44.06	35.43	49.46	15.72	9.85	7.24	14.91	5.33	13.92	10.54	9.39

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 43--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1975-86 1/

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1975	33.00	18.10	60.70	23.20
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982	39.00	14.50	35.70	32.40
1983	29.00	6.70	8.90	14.60
1984	18.83	4.67	76.32	18.86
1985:				
1st quarter	18.56	7.72	192.17	31.78
2d quarter	26.40	4.40	5.73	9.38
3d quarter	18.70	3.94	1.16	6.67
4th quarter	13.94	5.48	2.57	5.42
1985 average	18.78	5.73	29.97	13.77
1986:				
1st quarter	22.05	17.71	7.77	16.75
2d quarter	11.60	24.15	9.89	20.58
3d quarter	22.82	3.81	34.72	20.85
4th quarter	24.37	10.28	73.03	16.62
1986 average	18.08	17.41	32.46	18.94

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

Table 44–Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region–east side		Pacific Northwest Region–west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume 2/	Value
1975	892.8	17.09	385.5	4.30	368.3	19.83	413.4	8.26	1,870.8	52.21	1,506.2	32.64	3,552.5	117.53	147.4	21.41
1976	872.0	32.96	290.7	7.70	293.4	33.01	290.5	16.42	1,425.0	77.87	1,134.9	60.01	2,489.3	124.41	15.8	21.80
1977	1,043.3	49.46	325.7	16.91	281.5	68.86	424.6	19.81	1,705.8	118.40	1,377.3	100.70	3,285.5	156.89	1.3	9.77
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	147.7	93.84
1981	1,033.7	57.45	417.7	8.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	165.7	46.47
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	74.0	31.37
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.5	22.25	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	80.1	14.82
1984	865.9	33.16	455.8	12.27	409.3	35.31	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	58.4	15.95
1985:																
1st qtr.	261.2	28.72	121.3	8.84	28.2	9.15	90.1	20.47	428.6	50.04	395.8	79.49	973.7	79.16	14.5	10.37
2d qtr.	292.4	27.41	172.2	8.48	65.8	18.09	73.1	11.10	401.8	49.84	346.7	67.62	628.3	72.92	8.6	8.05
3d qtr.	287.2	21.26	119.0	8.22	158.8	27.28	166.3	13.53	613.0	60.24	507.0	62.15	879.6	74.14	9.6	6.44
4th qtr.	107.6	28.77	31.1	10.34	40.2	11.48	98.8	15.85	159.3	75.01	192.5	79.50	344.8	86.25	18.4	4.09
Total or average	948.4	26.07	443.7	8.64	293.0	21.64	428.3	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986:																
1st qtr.	140.1	19.78	41.3	12.45	56.0	19.75	110.8	27.45	351.3	76.38	339.5	109.08	834.5	98.16	5.9	15.07
2d qtr.	329.9	23.60	109.2	25.55	118.7	32.35	131.9	19.34	279.7	74.32	581.5	68.90	936.7	115.91	104.8	4.89
3d qtr.	337.3	34.80	132.5	15.62	231.9	27.54	142.2	20.37	613.0	60.24	664.9	89.59	1,285.2	106.17	60.6	14.05
4th qtr.	119.5	32.38	51.0	23.52	77.3	18.38	62.8	34.07	212.9	97.62	434.8	92.97	705.5	115.49	84.3	10.42
Total or average	926.8	28.23	334.0	19.68	483.9	26.36	447.7	23.74	1,456.9	72.30	2,020.7	87.64	3,761.9	108.49	255.6	9.12

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern Region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

2/ Does not include long-term timber contracts.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 45–Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1975-86 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region–east side		Pacific Northwest Region–west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1975	840.3	26.85	245.1	10.60	394.0	30.35	356.7	28.19	1,508.7	45.19	1,408.3	38.12	2,356.3	71.04	413.1	8.17
1976	1,101.1	40.83	305.0	17.20	396.8	50.25	468.7	55.17	1,889.6	69.38	1,537.7	64.42	2,858.2	95.01	472.2	6.31
1977	1,008.0	43.25	311.0	16.72	412.1	52.82	431.4	51.95	1,801.3	90.81	1,393.4	86.43	2,720.2	116.41	491.3	3.82
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	54.46	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.7	16.42
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.85
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	44.06	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.8	31.14	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	249.1	14.91
1985:																
1st qtr.	156.3	38.81	73.0	14.13	42.6	42.02	38.7	30.34	129.4	76.36	351.2	130.20	466.4	116.94	26.5	10.09
2d qtr.	140.6	33.03	31.2	17.83	76.2	36.48	51.0	27.85	465.4	83.78	244.3	76.21	748.2	90.39	70.9	4.74
3d qtr.	389.5	28.76	125.1	12.61	141.1	47.35	168.6	14.72	751.3	66.17	594.1	61.15	1,035.9	86.95	76.2	-42.71
4th qtr.	305.6	47.44	142.8	12.93	166.8	49.16	179.9	14.34	469.4	71.74	586.9	90.43	733.4	65.69	92.0	-1.42
Total or average	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.28	265.6	-10.47
1986:																
1st qtr.	160.7	42.97	81.6	17.05	60.0	38.57	61.8	15.82	126.9	127.06	310.2	99.45	474.4	90.84	33.4	6.29
2d qtr.	164.6	42.32	122.4	9.72	98.6	44.65	55.8	20.77	499.3	86.95	357.0	93.25	837.0	100.59	59.6	2.47
3d qtr.	393.1	34.99	64.7	23.18	160.1	46.05	164.0	14.29	751.3	66.17	613.0	80.52	1,053.3	91.93	106.4	2.72
4th qtr.	297.7	35.99	183.9	9.57	183.9	49.97	195.3	19.62	574.8	88.97	668.7	100.84	941.4	110.60	72.8	3.41
Total or average	1,016.1	37.73	452.6	12.91	502.6	46.32	476.9	17.43	1,952.3	82.15	1,948.9	92.84	3,306.1	99.15	272.2	3.29

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

Note: Negative stumpage value caused by emergency rate redeterminations.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 46--Small business set-aside sales on National Forests by number and volume, Pacific Northwest Region, 1975-86

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	4	13,855	0	--	5	66,920	18	147,050	2	2,135	8	56,320	17	66,390
1976	1	2,263	0	--	1	15,200	7	68,250	0	--	2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0	--	10	70,450	15	76,379
1978	4	43,500	0	--	1	357	15	161,500	0	--	0	--	20	83,836
1979	5	42,760	4	2,150	11	79,460	0	--	0	--	19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0	--	18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982	10	38,460	9	9,580	8	13,440	18	30,920	0	--	12	4,400	31	16,246
1983	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905
1984	4	3,480	2	3,429	4	17,800	42	42,473	1	545	7	10,510	17	4,882
1985	4	2,896	8	45,616	6	36,960	12	8,960	4	1,060	12	5,025	18	48,940
1986:														
1st qtr.	3	1,022	2	7,214	2	16,200	0	--	0	--	2	1,060	1	130
2d qtr.	0	--	2	10,240	1	9,800	5	4,190	1	130	3	320	1	95
3d qtr.	0	--	3	22,840	1	1,800	4	2,990	1	82	13	56,150	2	1,230
4th qtr.	0	--	1	8,210	0	--	0	--	2	247	4	6,420	2	1,720
1986 total	3	1,022	8	48,504	4	27,800	9	7,180	4	459	22	63,950	6	3,175

Year and quarter	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Siuslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	3	39,550	2	21,000	8	53,842	24	143,665	22	59,331	26	201,478	5	28,620
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0	--	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0	--	6	44,615	47	171,251	13	62,300	39	231,303	0	--
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29,755	15	2,951	5	32,400
1984	0	--	0	--	2	1,480	22	23,005	15	77,305	8	1,524	2	5,400
1985	0	--	2	10,200	1	250	10	11,396	9	4,980	8	2,907	1	1,300
1986:														
1st qtr.	0	--	0	--	1	1,700	0	--	0	--	4	709	0	--
2d qtr.	4	35,100	2	18,100	4	5,355	8	54,080	1	540	3	1,331	1	10,700
3d qtr.	5	39,600	0	--	2	968	11	40,320	3	1,730	15	83,422	0	--
4th qtr.	1	250	0	--	2	1,150	0	--	2	1,000	9	41,348	0	--
1986 total	10	74,950	2	18,100	9	9,173	19	94,400	6	3,270	31	126,810	1	10,700

Year and quarter	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft	Number	Thousand bd ft
1975	29	146,668	0	--	2	17,400	10	137,810	9	69,600	194	1,271,634
1976	21	55,093	0	--	0	--	19	121,100	5	38,040	118	603,565
1977	29	128,705	0	--	0	--	48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0	--	0	--	33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0	--	5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19,000	206	285,052
1985	72	9,668	9	4,820	11	34,772	34	21,828	0	--	221	251,578
1986:												
1st qtr.	14	2,170	1	135	2	13,630	10	5,925	0	--	42	49,895
2d qtr.	0	--	3	695	1	840	14	24,730	4	33,620	58	209,866
3d qtr.	1	470	3	1,885	1	58	19	71,889	3	23,000	R87	348,434
4th qtr.	1	370	2	2,675	1	7,120	7	3,350	0	--	34	73,860
1986 total	16	3,010	9	5,390	5	21,648	50	105,894	7	56,620	221	682,055

R = revised.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1986. Resour. Bull. PNW-RB-144. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station; 1987. 55 p.

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Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

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Pacific Northwest Research Station
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Resource Bulletin
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Production, Prices, Employment, and Trade in Northwest Forest Industries, First Quarter 1987

Debra D. Warren

CLEMSON UNIVERSITY
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ABSTRACT

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PREFACE

This report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Historical data for the years before 1976 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries." Log price tables were last published in the second quarter of 1986; they will not be published again.

Cooperation in supplying data has been received from the following sources: the U.S. Department of Agriculture, Forest Service, Forest Inventory and Economics Research Staff in Washington, D.C.; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

Phone: 503-231-2081 Commercial
503-429-2081 FTS

AUTHOR

DEBRA D. WARREN is an economics assistant at the Forestry Sciences Laboratory, 809 N.E. 6th Avenue, Portland, Oregon 97232.

Tables Included in This Series of Reports and Frequency of Updates

NOTE: Beginning with this issue, standard table numbers are being adopted. All tables will be published each quarter and updated as noted below.

TABLE NUMBER	TABLE TITLE	FREQUENCY OF UPDATE
Lumber and Plywood Production and Prices		
1	Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1976-87	Quarterly
2	Lumber production in Northwest States, 1975-85	Annually, second quarter
3	Softwood lumber production in the inland region, by species, 1975-85	Annually, second quarter
4	Lumber production in the coast region, by species, 1975-85	Annually, second quarter
5	Softwood structural panel board production in the United States, by State, 1976-86	Annually, first quarter
6	Softwood lumber and plywood production in British Columbia, 1975-85	Annually, second quarter
7	Wholesale prices of selected lumber products, 1976-87	Quarterly
8	Wholesale prices of selected softwood plywood products, 1976-87	Quarterly
9	F.o.b. mill prices for Douglas-fir lumber, coast mills, 1976-87	Quarterly
Timber Harvest		
10	Washington and Oregon timber harvest by ownership, 1975-85	Annually, third quarter
11	Montana and Idaho timber harvest by ownership, 1975-85	Annually, third quarter
12	British Columbia timber harvest, 1976-86	Annually, third quarter
13	Alaska timber harvest by ownership, 1975-85	Annually, third quarter
14	California timber harvest by ownership, 1975-85	Annually, third quarter

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The customs districts have recently changed names: Northern California is now San Francisco, Oregon is Columbia-Snake, Washington is Seattle, Alaska is Anchorage, and Montana is Great Falls.

Tables Included in This Series of Reports (continued)

TABLE NUMBER	TABLE TITLE	FREQUENCY OF UPDATE
Employment in Forest Products Industries		
15	Employment in forest products industries in Washington and Oregon, 1976-87	Quarterly
16	Employment in forest products industries in California and Alaska, 1975-86	Quarterly
17	Employment in forest products industries in Montana and Idaho, 1976-87	Quarterly
Log, Pulpwood, and Chip Exports and Imports		
18	Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87	Quarterly
19	Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87	Quarterly
20	Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87	Quarterly
21	Volume of softwood log exports from the San Francisco Customs District by species and destination, 1976-87	Quarterly
22	Volume of softwood log exports by State and port, Washington, Oregon, and northern California, 1976-87	Quarterly
23	Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1976-87	Quarterly
24	Volume and average value of softwood log exports from Anchorage Customs District by destination, 1980-87	Quarterly
25	Volume and value of hardwood log exports from customs districts of Seattle, Columbia-Snake, Anchorage, and San Francisco, 1976-87	Quarterly
26	Volume of log exports from southern California ports by species, 1976-87	Quarterly

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TABLE NUMBER	TABLE TITLE	FREQUENCY OF UPDATE
27	Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1976-87	Quarterly
28	Log exports from British Columbia ports by species and destination, 1976-87	Quarterly
29	Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1976-87	Quarterly
30	Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1976-87	Quarterly
31	Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1976-87	Quarterly

Lumber, Plywood, and Veneer Exports

32	Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87	Quarterly
33	Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87	Quarterly
34	Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87	Quarterly
35	Volume of softwood lumber exports from northern California ports by species and destination, 1976-87	Quarterly
36	Volume of softwood lumber exports from southern California ports by species and destination, 1976-87	Quarterly
37	Volume of softwood lumber exports from Anchorage Customs Districts by species and destination, 1976-87	Quarterly
38	Volume of softwood lumber exports to Canada from the Great Falls Customs District, 1976-87	Quarterly
39	Lumber exports from British Columbia ports by species and destination, 1976-87	Quarterly

Tables Included in This Series of Reports (continued)

TABLE NUMBER	TABLE TITLE	FREQUENCY OF UPDATE
40	Volume of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1976-87	Quarterly
41	Volume of plywood exports from California, 1976-87	Quarterly
42	Volume of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-87	Quarterly

Volume and Average Value of Stumpage Sold by Public Agencies

43	Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1982-87	Quarterly
44	Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1982-87	Quarterly
45	Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1976-87	Quarterly
46	Volume of timber sold on publicly owned or managed lands in California, 1982-87	Quarterly
47	Average stumpage prices of timber sold on publicly owned or managed lands in California, 1982-87	Quarterly
48	Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1976-87	Quarterly
49	Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1983-87	Quarterly
50	Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1983-87	Quarterly
51	Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1976-87	Quarterly
52	Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987	Quarterly

Tables Included in This Series of Reports (continued)

TABLE NUMBER	TABLE TITLE	FREQUENCY OF UPDATE
53	Volume of timber sold on publicly owned or managed lands in Alaska, 1982-87	Quarterly
54	Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1982-87	Quarterly
55	Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1976-87	Quarterly
56	Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1976-87	Quarterly
57	Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1976-87	Quarterly
58	Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-85	Annually, second quarter
59	Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1976-86	Annually, second quarter
60	Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1977-87	Annually, third quarter
61	Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1976-86	Annually, first quarter
62	Allowable annual cut and uncut volume under contract on Oregon State lands, 1975-85	Annually, second quarter
63	Allowable annual cut and uncut volume under contract on Washington State lands, 1976-86	Annually, second quarter
64	Small business set-aside sales on National Forests by number of sales and by volume, Pacific Northwest Region, 1976-87	Quarterly

Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1976-87

Year	Softwood lumber production				U.S. softwood structural panel board production 3/
	Total softwood lumber	Western Washington and western Oregon 1/	California redwood region	Inland region 2/	
	Million board feet				Million sq ft, 3/8-inch basis
1976	20,112	8,322	2,001	9,789	18,440
1977	21,105	8,796	2,000	10,309	19,677
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	18,985	8,329	1,664	8,992	22,446
1985	19,068	8,062	1,730	9,276	23,129
1986	21,433	9,008	1,938	10,487	25,911
1987:					
January	1,812	790	182	840	2,225
February	1,869	824	162	883	2,180
March	2,178	966	177	1,035	2,366
Total, 1st quarter	5,859	2,580	521	2,758	6,771
April					
May					
June					
Total, 2d quarter					
July					
August					
September					
Total, 3d quarter					
October					
November					
December					
Total, 4th quarter					
1987 total					
	1st quarter 1987 change, in percent				
From:					
4th quarter 1986	6.9	10.8	7.0	3.4	3.6
1st quarter 1986	17.9	17.5	17.6	18.4	9.7

1/ Includes small amounts of hardwood.

2/ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

3/ Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

Source: Western Wood Products Association, Portland, Oregon, and American Plywood Association, Tacoma, Washington.

Table 2--Lumber production in Northwest States, 1975-85

(In million board feet)

Year	Washington	Oregon	California 1/	Montana	Idaho
1975	3,104	6,342	4,153	1,038	1,631
1976	3,661	7,335	4,824	1,197	1,908
1977	4,031	7,509	5,052	1,250	1,976
1978	4,150	7,416	4,853	1,256	1,932
1979	3,841	7,312	4,639	1,257	1,893
1980	3,161	5,784	R 3,768	983	1,391
1981	3,243	5,115	3,224	1,032	1,319
1982	3,059	4,682	2,987	895	1,245
1983	3,821	6,579	3,574	1,316	1,627
1984	3,697	7,202	3,891	1,387	1,686
1985	3,419	7,211	4,168	1,445	1,676

1/ California production data include 1 mill in Nevada.

R = revised.

Source: Western Wood Products Association, Portland, Oregon.

Table 3--Softwood lumber production in the inland region, by species, 1975-85 1/

(In million board feet)

Year	All softwoods	Ponderosa pine	Idaho white pine	Sugar pine	Douglas-fir and larch	Hem-fir 2/	Engelmann spruce	Lodgepole pine	Other softwoods
1975	8,445	3,269	291	193	1,952	1,476	304	395	565
1976	9,789	3,757	294	201	2,321	1,655	366	451	744
1977	10,309	4,046	293	230	2,343	1,762	434	547	654
1978	10,033	3,970	245	213	2,370	1,724	374	498	639
1979	9,780	3,728	198	201	2,333	1,794	365	419	742
1980	7,613	3,023	166	184	1,644	1,334	262	402	598
1981	7,147	2,770	164	173	1,570	1,147	269	419	635
1982	6,681	2,649	113	141	1,509	1,029	313	376	551
1983	8,488	3,378	163	192	1,851	1,272	323	532	777
1984	8,992	3,537	132	215	1,905	1,524	431	618	630
1985	9,276	3,430	114	258	2,050	1,701	433	534	756

1/ Inland region includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

2/ Western hemlock and white fir. Before 1979, hemlock was included in "Other softwoods"; since 1979, hemlock is included in "Hem-fir." The historical data are revised to reflect this change.

Source: Western Wood Products Association, Portland, Oregon.

Table 4--Lumber production in the coast region, by species, 1975-85 1/

(In million board feet)

Year	All species	Douglas-fir	Hem-fir 2/	Western redcedar	Sitka spruce	Pine	Other softwoods	Hardwoods
1975	7,134	4,684	1,683	364	15	233	46	109
1976	8,322	5,363	2,139	367	30	231	64	128
1977	8,796	5,567	2,413	382	21	215	67	131
1978	8,845	5,458	2,444	434	14	277	53	165
1979	8,427	5,228	2,320	346	19	254	81	179
1980	6,815	4,261	1,791	308	7	217	69	162
1981	6,270	3,817	1,660	347	11	198	79	158
1982	5,743	3,570	1,427	335	6	193	56	156
1983	7,934	5,088	1,877	445	6	270	69	179
1984	8,329	5,538	1,753	426	8	288	87	229
1985	8,062	5,449	1,555	432	8	316	73	229

1/ Coast region includes western Washington and western Oregon.

2/ Western hemlock and white fir combined. Before 1979, data are for white fir only; since 1979, data are for white fir and hemlock combined.

Source: Western Wood Products Association, Portland, Oregon.

Table 5--Softwood structural panel board production in the United States, by State, 1976-86 1/

(In million square feet, 3/8-inch basis)

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southern States 2/	Northern States 3/
1976	18,440.0	7,917.0	1,894.0	603.0	1,212.0	6,814.0	0
1977	19,376.2	8,109.2	2,013.0	552.0	1,255.0	7,447.0	0
1978	19,964.4	8,226.4	2,084.2	510.7	1,245.0	7,898.1	0
1979	19,653.0	7,929.0	1,727.0	463.0	1,205.0	8,329.0	0
1980	16,468.0	6,179.0	1,333.0	319.0	1,088.0	7,393.0	156.0
1981	17,022.9	5,561.6	1,381.7	351.1	1,129.7	8,306.8	292.0
1982	16,402.6	5,113.9	1,165.8	195.5	874.4	8,455.7	597.3
1983	20,767.0	6,719.0	1,369.0	260.0	1,152.0	9,967.0	1,300.0
1984	21,967.8	6,779.4	1,539.8	232.1	1,131.0	10,511.9	1,773.6
1985	22,838.2	6,750.3	1,645.2	160.8	1,293.2	11,033.8	1,955.0
1986	25,632.8	7,826.3	1,718.6	121.6	1,405.6	12,272.1	2,288.5

1/ Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

2/ Southern States include Alabama, Arkansas, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Texas, and Virginia.

3/ Northern States include Maine, Michigan, Minnesota, New Hampshire, New York, and Wisconsin.

Source: American Plywood Association.

Table 6--Softwood lumber and plywood production in British Columbia, 1975-85

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	Million board feet			Million sq ft, 3/8-inch basis
1975	7,469	2,507	4,962	1,778
1976	10,680	3,988	6,692	2,191
1977	12,038	4,499	7,539	2,343
1978	12,545	4,803	7,742	2,510
1979	12,517	4,657	7,860	2,307
1980	11,979	4,252	7,727	2,230
1981	10,424	3,458	6,966	1,923
1982	9,944	3,002	6,942	1,616
1983	13,043	4,140	8,903	1,992
1984	13,078	3,903	9,175	1,754
1985	14,004	3,996	10,008	1,855

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 7--Wholesale prices of selected lumber products, 1976-87

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/12', KD, net, f.o.b. mill	Ponderosa pine boards, no. 3, 1 by 12 RL, KD, net, f.o.b. mill	Ponderosa pine, no. 2 shop, 6/4 RWRL, S2S, net, f.o.b. mill	Fir-larch std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill	Spruce-pine-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill
1976	178.00	188.00	318.00	169.00	151.00
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986	214.94	257.48	581.02	207.63	182.26
1987:					
January	220.25	268.75	602.50	212.00	199.50
February	232.75	300.00	590.00	231.75	218.50
March	225.25	300.00	602.50	223.75	211.00
Average, 1st quarter	226.08	289.58	598.33	222.50	209.67
April					
May					
June					
Average, 2d quarter					
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1987 average					
	- - - - - - - - - - - - - - - - - - 1st quarter 1987 change, in percent - - - - - - - - - - - - - - - - - -				
From:					
4th quarter 1986	.1	14.8	-5.8	.4	6.4
1st quarter 1986	11.3	4.4	20.9	14.9	25.9

Source: Random Lengths Publications, Inc.

Table 8--Wholesale prices of selected softwood plywood products, 1976-87

(In dollars per thousand square feet)

Year	Sheathing, western exterior, 3/8-inch, CD, net f.o.b. mill	Sheathing, southern (west) 1/ exterior, 3/8-inch, CD, net f.o.b. mill	Sanded, western interior, 1/4-inch, AD, net f.o.b. mill
1976	127.00	125.00	160.00
1977	157.00	159.00	183.00
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986	157.22	151.31	176.06
1987:			
January	149.50	147.75	178.75
February	154.25	151.50	186.75
March	147.50	154.75	187.75
Average, 1st quarter	150.42	151.33	184.42
April			
May			
June			
Average, 2d quarter			
July			
August			
September			
Average, 3d quarter			
October			
November			
December			
Average, 4th quarter			
1987 average			
	- - - - - - - 1st quarter 1987 change, in percent - - - - - -		
From:			
4th quarter 1986	-1.9	.2	5.9
1st quarter 1986	-1.4	1.0	5.0

1/ Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 9--F.o.b. mill prices for Douglas-fir lumber, coast mills, 1976-87 1/

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1976	486.23	276.45	229.01	109.84	173.76	216.59	49.12
1977	503.86	342.38	288.67	147.56	215.43	260.68	60.61
1978	592.86	406.35	324.74	170.03	235.28	284.49	85.69
1979	891.29	480.10	409.96	179.20	245.72	334.22	85.89
1980	929.30	505.72	365.27	150.12	R207.37	270.80	85.46
1981	746.77	426.09	328.91	136.73	192.99	262.91	83.25
1982	647.96	375.11	283.02	126.45	159.43	198.34	77.91
1983	684.91	425.96	261.85	161.77	200.75	222.39	87.33
1984	688.00	407.27	249.18	136.60	189.29	222.89	71.69
1985	671.46	409.79	248.70	130.79	190.04	226.08	67.63
1986	726.38	404.98	239.98	131.92	190.79	228.56	66.59
1987:							
1st quarter	838.42	417.46	245.88	129.78	197.54	232.63	59.84
2d quarter							
3d quarter							
4th quarter							
1987 average							

1/ Figures are a volume weighted average of green and dry surfaced and rough grades.

R = revised.

Source: Western Wood Products Association.

Table 10--Washington and Oregon timber harvest by ownership, 1975-85

(In million board feet, Scribner scale)

State and year	Private	State	National Forest	Bureau of Land Management	Bureau of Indian Affairs	Other public	Total
Washington:							
1975	4,062	540	1,098	1	419	65	6,185
1976	4,414	766	1,214	3	516	55	6,968
1977	4,068	797	1,171	4	477	75	6,592
1978	4,036	955	1,261	3	460	36	6,751
1979	4,068	1,095	1,276	1/	432	98	6,969
1980	3,507	745	1,089	0	336	43	5,720
1981	3,266	468	875	1	260	20	4,890
1982	3,740	440	728	1	152	18	5,079
1983	4,025	548	1,240	8	238	28	6,087
1984	3,545	795	1,189	1	205	57	5,792
1985 2/	3,551	1,013	1,147	NA	NA	32	NA
Oregon:							
1975	3,781	160	2,661	626	123	20	7,371
1976	3,561	203	3,174	1,082	108	25	8,153
1977	3,590	228	2,913	1,021	115	11	7,876
1978	3,549	235	3,235	1,039	121	22	7,997
1979	3,209	223	3,167	956	111	29	7,694
1980	3,134	186	2,399	797	105	19	6,639
1981	2,702	216	1,981	677	95	24	5,695
1982	3,440	175	1,688	312	126	17	5,758
1983	3,374	257	2,902	789	112	31	7,464
1984	3,078	249	3,164	920	101	38	7,550
1985	R3,332	268	R3,480	891	121	R34	R8,127

1/ Less than 500,000 board feet.

2/ Preliminary figures.

NA = not available.

R = revised.

Source: Prepared by the Pacific Northwest Research Station in cooperation with the Washington Department of Natural Resources and the Oregon Department of Forestry.

Table 11--Montana and Idaho timber harvest by ownership, 1975-85

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
1975	500.9	9.8	48.6	4.8	444.5	1,008.6
1976	569.9	17.3	44.1	4.6	470.4	1,106.1
1977	556.8	18.8	46.0	5.1	498.9	1,125.6
1978	626.7	27.5	53.6	5.1	458.6	1,171.5
1979	567.5	28.3	42.6	5.4	451.7	1,095.5
1980	466.6	26.0	38.0	5.6	408.9	944.8
1981	434.0	28.9	38.0	9.1	387.3	897.3
1982	492.4	29.5	29.8	10.6	274.5	836.8
1983	568.7	27.1	37.9	14.8	569.2	1,217.7
1984	555.6	24.9	45.0	5.3	479.3	1,110.0
1985	560.1	26.0	18.8	7.9	551.4	1,164.2
Idaho:						
1975	790.8	93.1	4.2	27.1	677.5	1,592.7
1976	700.7	193.6	4.0	20.2	1,009.5	1,927.8
1977	734.8	161.5	4.1	20.9	826.5	1,747.8
1978	767.6	218.7	11.4	17.5	841.6	1,856.8
1979	784.0	162.7	8.9	15.7	833.5	1,804.8
1980	857.6	140.8	4.5	15.9	606.0	1,624.8
1981	527.7	149.5	8.6	18.9	564.0	1,268.7
1982	642.2	82.3	10.9	17.7	450.2	1,203.3
1983	727.0	155.0	19.2	21.8	791.1	1,714.1
1984	860.8	197.5	17.5	13.3	687.8	1,776.8
1985	P 630.5	170.4	14.0	24.4	734.2	P 1,573.5

P = preliminary.

Source: respective agencies.

Table 12--British Columbia timber harvest, 1976-86

(In thousand cubic meters)

Year	Coast 1/	Interior 2/	Total
1976	32 192	37 226	62 418
1977	28 558	41 412	69 970
1978	32 328	42 835	75 163
1979	30 568	45 627	76 195
1980	30 174	44 090	74 804
1981	31 243	41 341	72 584
1982	21 352	34 879	56 231
1983	26 846	44 597	71 443
1984	27 229	47 328	74 557
1985	27 722	49 146	76 868
1986 3/	16 941	28 369	45 310

1/ Comprises all of Vancouver Forest District and one-half of Prince Rupert Forest District.

2/ Comprises Cariboo, Kamloops, Nelson, and Prince George Forest Districts and one-half of Prince Rupert Forest District.

3/ As of July 31.

Source: Ministry of Forests Annual Report, Province of British Columbia (respective years).

Table 13--Alaska timber harvest by ownership, 1975-85

(In thousand board feet, Scribner scale)

Year	State	Private	Bureau of Indian Affairs	Bureau of Land Management			National Forest			Total
				Free use	Cut	Total	Tongass	Chugach	Total	
1975	33,540	20,750	52	50	930	980	408,371	4,683	413,054	468,376
1976	41,714	15,000	1,011	844	295	1,139	462,776	9,402	472,178	531,042
1977	60,251	0	6,145	325	29	354	412,331	8,369	420,700	487,450
1978	30,301	0	4,040	1,862	149	2,011	398,701	9,873	408,574	444,926
1979	32,382	0	2,629	656	159	815	453,200	6,300	459,500	495,326
1980	47,547	70,300	17,000	484	50	534	452,121	1,565	453,686	589,067
1981	53,687	122,000	702	330	32	362	385,690	1,814	387,504	564,255
1982	35,198	209,200	2,895	340	79	419	344,857	679	345,536	593,248
1983	35,511	232,000	5,900	346	30	376	251,177	751	251,927	525,714
1984	28,044	202,000	0	0	0	0	260,977	545	261,522	491,566
1985	12,864	263,300	871	205	66	271	265,300	354	265,654	542,960

Source: respective agencies.

Table 14--California timber harvest by ownership, 1975-85

(In million board feet, Scribner scale)

Year	Private 1/	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest 1/	Total
1975	2,712	35	18	46	1,523	4,334
1976	2,757	40	38	6	1,890	4,731
1977	2,964	28	38	19	1,738	4,787
1978	2,783	28	47	8	1,798	4,664
1979	2,265	26	48	18	1,727	4,084
1980	1,863	20	42	8	1,508	3,441
1981	1,722	15	22	7	1,093	2,859
1982	1,501	42	8	9	937	2,497
1983	1,890	43	14	25	1,676	3,648
1984	2,093	34	21	7	1,559	3,714
1985	2,172	36	5	17	1,826	4,056

1/ May include negligible amounts from other public lands.

Source: respective agencies.

Table 15--Employment in forest products industries in Washington and Oregon, 1976-87

(In thousands of persons)

Year	Washington and Oregon			Washington			Oregon 1/		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1976	154.6	127.4	27.2	68.4	51.0	17.4	86.2	76.4	9.8
1977	161.4	133.3	28.1	71.6	53.9	17.7	89.8	79.4	10.4
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8
1979	159.4	133.8	25.6	68.4	52.6	15.8	91.0	81.2	9.8
1980	144.0	116.0	28.0	64.1	46.5	17.6	79.9	69.5	10.4
1981	135.7	108.2	27.5	61.6	44.4	17.2	74.1	63.8	10.3
1982	120.4	94.6	25.8	55.2	39.0	16.2	65.2	55.6	9.6
1983	128.7	103.7	25.0	56.8	41.1	15.7	71.9	62.6	9.3
1984	132.9	107.7	25.2	57.2	41.0	16.2	75.7	66.7	9.0
1985	126.1	100.9	25.2	53.4	37.3	16.0	72.7	63.6	9.1
1986	126.0	100.6	25.4	53.1	36.7	16.4	72.9	63.9	9.0
1987:									
January	125.4	99.6	25.8	53.3	36.3	17.0	72.1	63.3	8.8
February	125.4	99.7	25.7	53.4	36.5	16.9	72.0	63.2	8.8
March	126.1	100.3	25.8	54.0	36.9	17.1	72.1	63.4	8.7
Average, 1st quarter	125.6	99.9	25.8	53.6	36.6	17.0	72.1	63.3	8.8
April									
May									
June									
Average, 2d quarter									
July									
August									
September									
Average, 3d quarter									
October									
November									
December									
Average, 4th quarter									
1987 average									
	- - - - - - - - - - - - - - - - - 1st quarter 1987 change in employment - - - - - - - - - - - - - - - - -								
From:									
4th qtr. 1986	-1.9	-2.3	.5	.4	-.3	.7	-2.1	-2.0	-.2
1st qtr. 1986	2.4	1.9	.6	1.6	.7	.9	.9	1.2	-.3

1/ Most of the Oregon figures have been revised.

Note: "Lumber and wood products" and "Paper and allied products" columns may not add to "Total" because of rounding.

Source: State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

Table 16--Employment in forest products industries in California and Alaska, 1975-86

(In thousands of persons)

Year	California			Alaska		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1975	87.3	52.8	34.5	--	2.0	1/
1976	96.6	59.9	36.7	3.4	2.3	1.1
1977	104.2	66.6	37.6	3.6	2.2	1.4
1978	107.1	69.9	37.2	2.9	1.8	1.1
1979	107.8	68.7	39.1	3.0	2.0	1.0
1980	101.3	62.6	38.7	3.4	2.3	1.1
1981	96.6	57.9	38.7	2.8	1.9	.9
1982	83.7	46.2	37.5	2.6	1.8	.8
1983	87.5	50.2	37.3	2.7	1.9	.8
1984	94.5	55.4	39.1	2.2	1.6	.6
1985	95.7	55.9	39.8	2.3	1.7	.6
1986:						
January	91.5	52.5	39.0	1.7	.9	.8
February	91.5	52.5	39.0	2.0	1.2	.8
March	91.9	53.4	38.5	2.3	1.5	.8
Average, 1st quarter	91.6	52.8	38.8	2.0	1.2	.8
April	95.5	56.9	38.6	2.6	1.8	.8
May	97.9	59.2	38.7	2.8	2.0	.8
June	100.4	61.4	39.0	3.1	2.3	.8
Average, 2d quarter	97.9	59.2	38.8	2.8	2.0	.8
July	103.4	62.6	40.8	3.1	2.3	.8
August	104.0	63.5	40.5	3.2	2.4	.8
September	103.8	63.4	40.4	3.1	2.3	.8
Average, 3d quarter	103.7	63.2	40.6	3.1	2.3	.8
October	104.7	64.3	40.4	2.9	2.1	.8
November	102.9	62.9	40.0	2.8	2.0	.8
December	101.1	61.0	40.1	2.3	1.5	.8
Average, 4th quarter	102.9	62.7	40.2	2.7	1.9	.8
1986 average	99.0	59.5	39.6	2.7	1.9	.8
	- - - - - - - - - - - - - 4th quarter 1986 change in employment - - - - - - - - - - - - -					
From:						
3d quarter 1986	-.8	-.5	-.4	-.4	-.4	0.0
4th quarter 1985	6.7	6.4	.2	.4	.3	.1
	- - - - - - - - - - - - - - - - Year 1986 change in employment - - - - - - - - - - - - - - - -					
From year 1985	3.3	3.6	-.2	.4	.2	.2

1/ Withheld to avoid disclosure.

Source: State employment agencies. Data are based on place of residence.

Table 17--Employment in forest products industries in Montana and Idaho, 1976-87

(In thousands of persons)

Year	Montana		Idaho		
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1976	9.1	1/	18.6	17.4	1.2
1977	9.3	1/	19.0	17.8	1.2
1978	10.7	1/	20.1	18.8	1.3
1979	11.1	1/	19.9	18.5	1.4
1980	8.7	1/	17.5	16.1	1.4
1981	8.8	1/	16.6	15.1	1.5
1982	6.8	1/	13.6	12.1	1.5
1983	8.0	1/	15.7	14.0	1.7
1984	8.3	1/	15.6	13.9	1.7
1985	8.4	1/	15.4	13.6	1.8
1986	8.1	1/	15.0	13.1	1.8
1987:					
January	8.5	1/	14.5	12.7	1.8
February	8.5	1/	14.1	12.3	1.8
March	8.2	1/	13.6	11.8	1.8
Average, 1st quarter	8.4	1/	14.1	12.3	1.8
April					
May					
June					
Average, 2d quarter					
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1987 average					
	- - - - - - - - - - - 1st quarter 1987 change in employment - - - - - - - - - - -				
From:					
4th quarter 1986	-.2	1/	-1.2	-1.2	0.0
1st quarter 1986	.7	1/	-.2	-.2	0.0

1/ Withheld to avoid disclosing figures for individual companies.

Note: "Lumber and wood products" and "Paper and allied products" columns for Idaho may not add to "Total" because of rounding.

Source: State employment agencies. Data are based on place of residence.

Table 18--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87

(In thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1976	2,737,074	945,649	26,576	1,764,849	1,792,944	527,889	1,265,055	944,130	417,760	26,576	499,794
1977	2,555,615	966,763	16,721	1,572,131	1,674,860	556,419	1,118,441	880,755	410,344	16,721	453,690
1978	2,847,394	1,139,267	24,493	1,683,634	1,915,979	619,500	1,296,479	931,415	519,767	24,493	387,155
1979	3,233,652	1,309,179	22,693	1,901,780	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,817	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,882	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986:											
1st qtr.	710,375	435,807	2,511	272,057	458,181	228,426	229,755	252,194	207,381	2,511	42,302
2d qtr.	677,594	387,860	246	289,488	431,667	189,356	242,311	245,927	198,504	246	47,177
3d qtr.	650,000	375,931	5,575	268,494	395,018	164,762	230,256	254,982	211,169	5,575	38,238
4th qtr.	742,139	411,110	3,832	327,197	453,746	183,120	270,626	288,393	227,990	3,832	56,571
1986 total	2,780,108	1,610,708	12,164	1,157,236	1,738,612	765,664	972,948	1,041,496	845,044	12,164	184,288
1987:											
1st qtr.	775,764	459,423	3,265	313,076	470,706	221,274	249,432	305,058	238,149	3,265	63,644
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											
					To Japan						
1976	2,547,037	901,911	24,573	1,620,553	1,623,064	491,451	1,131,613	923,973	410,460	24,573	488,940
1977	2,348,325	933,813	16,721	1,397,791	1,496,627	526,255	970,372	851,698	407,558	16,721	427,419
1978	2,521,885	1,103,562	22,814	1,395,509	1,630,247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1,279,177	20,611	1,659,938	1,998,315	705,921	1,292,394	961,411	573,256	20,611	367,544
1980	2,344,322	1,175,407	12,300	1,156,615	1,488,494	602,605	885,889	855,828	572,802	12,300	270,726
1981	1,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	1,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985	1,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986:											
1st qtr.	408,373	263,123	2,511	142,739	235,198	121,243	113,955	173,175	141,880	2,511	28,784
2d qtr.	393,424	277,247	230	115,947	212,686	119,539	93,147	180,738	157,708	230	22,800
3d qtr.	459,579	331,684	5,575	122,320	235,305	138,409	96,896	224,274	193,275	5,575	25,424
4th qtr.	507,335	344,143	3,832	159,360	261,780	144,960	116,820	245,555	199,183	3,832	42,540
1986 total	1,768,711	1,216,197	12,148	540,366	944,969	524,151	420,818	823,742	692,046	12,148	119,548
1987:											
1st qtr.	551,039	379,651	3,119	168,269	285,454	164,708	120,746	265,585	214,943	3,119	47,523
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											

Table 18--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1976	48,289	14,803	--	33,486	48,289	14,803	33,486	--	--	--	--
1977	15,698	9,531	--	6,167	15,698	9,531	6,167	--	--	--	--
1978	12,638	9,361	--	3,277	12,638	9,361	3,277	--	--	--	--
1979	24,124	7,737	--	16,387	24,124	7,737	16,387	--	--	--	--
1980	985	395	--	590	985	395	590	--	--	--	--
1981	1,332	392	--	940	1,332	392	940	-	--	--	--
1982	4,757	635	--	4,122	4,757	635	4,122	--	--	--	--
1983	5,216	397	--	4,819	5,216	397	4,819	--	--	--	--
1984	10,461	2,406	--	8,055	10,461	2,406	8,055	--	--	--	--
1985	32,802	36	--	32,766	32,802	36	32,766	--	--	--	--
1986:											
1st qtr.	2,065	--	--	2,065	2,065	--	2,065	--	--	--	--
2d qtr.	3,583	230	--	3,353	3,583	230	3,353	--	--	--	--
3d qtr.	2,907	--	--	2,907	2,907	--	2,907	--	--	--	--
4th qtr.	50,232	2,081	--	48,151	45,065	2,081	42,984	5,167	--	--	5,167
1986 total	58,787	2,311	--	56,476	53,620	2,311	51,309	5,167	--	--	5,167
1987:											
1st qtr.	26,525	4,034	--	22,491	24,380	4,034	20,346	2,145	--	--	2,145
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											
To South Korea											
1976	130,069	26,454	--	103,615	117,007	21,068	95,939	13,062	5,386	--	7,676
1977	187,967	21,201	--	166,766	162,252	20,418	141,834	25,715	783	--	24,932
1978	307,865	24,844	--	283,021	271,887	20,426	251,461	35,978	4,418	--	31,560
1979	245,314	20,342	--	224,972	227,072	18,653	208,419	18,242	1,689	--	16,553
1980	191,387	11,796	--	179,591	163,988	9,549	154,439	27,399	2,247	--	25,152
1981	147,833	10,919	--	136,914	132,675	9,333	123,342	15,158	1,586	--	13,572
1982	254,736	27,809	--	226,927	220,126	23,841	196,285	34,610	3,968	--	30,642
1983	285,638	19,388	--	266,250	259,368	16,406	242,962	26,270	2,982	--	23,288
1984	264,249	6,007	7	258,235	236,609	4,790	231,819	27,640	1,217	7	26,416
1985	297,629	10,746	34	286,849	263,665	6,900	256,765	33,964	3,846	34	30,084
1986:											
1st qtr.	67,224	1,683	--	65,541	58,211	1,388	56,823	9,013	295	--	8,718
2d qtr.	99,713	3,895	16	95,802	87,797	3,513	84,284	11,916	382	16	11,518
3d qtr.	92,889	3,054	--	89,835	88,489	3,054	85,435	4,400	--	--	4,400
4th qtr.	65,735	1,138	--	64,597	60,095	738	59,357	5,640	400	--	5,240
1986 total	325,561	9,770	16	315,775	294,592	8,693	285,899	30,969	1,077	16	29,876
1987:											
1st qtr.	74,697	1,776	22	72,899	70,285	1,056	69,229	4,412	720	22	3,670
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											
To People's Republic of China											
1980	87,785	69,901	--	17,884	43,271	31,884	11,387	44,514	38,017	--	6,497
1981	219,237	149,592	--	69,645	170,779	111,058	59,721	48,458	38,534	--	9,924
1982	533,102	390,047	--	143,055	358,762	244,198	114,564	174,340	145,849	--	28,491
1983	699,240	497,020	--	202,220	535,418	347,576	187,842	163,822	149,444	--	14,378
1984	845,188	624,676	--	220,512	589,661	402,321	187,340	255,527	222,355	--	33,172
1985	1,029,559	716,273	--	313,286	644,370	379,929	264,441	385,189	336,344	--	48,845
1986:											
1st qtr.	232,555	170,959	--	61,596	162,561	105,765	56,796	69,994	65,194	--	4,800
2d qtr.	172,511	101,072	--	71,439	123,487	64,907	58,580	49,024	36,165	--	12,859
3d qtr.	92,312	39,309	--	53,003	66,088	21,499	44,589	26,224	17,810	--	8,414
4th qtr.	110,938	63,034	--	47,904	82,549	34,645	47,904	28,389	28,389	--	--
1986 total	608,316	374,374	--	233,942	434,685	226,816	207,869	173,631	147,558	--	26,073
1987:											
1st qtr.	115,652	70,670	--	44,982	83,690	48,764	34,926	31,962	21,906	--	10,056
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											

Source: U.S. Department of Commerce. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 19--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1976	775,113	266,523	20,086	488,504	490,246	141,989	348,257	284,867	124,534	20,087	140,247
1977	826,698	311,269	17,049	498,380	526,412	171,541	354,871	300,286	139,728	17,049	143,509
1978	992,207	413,645	24,923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128,126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,658	634,898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62,588
1986:											
1st qtr.	235,304	148,923	2,679	83,702	147,430	76,036	71,394	87,874	72,887	2,679	12,308
2d qtr.	222,438	134,584	140	87,714	136,622	62,967	73,654	85,816	71,617	140	14,059
3d qtr.	219,187	132,666	3,830	82,691	126,226	55,045	71,181	92,961	77,621	3,830	11,510
4th qtr.	252,651	151,183	4,433	97,035	141,810	62,584	79,226	110,842	88,600	4,433	17,809
1986 total	929,580	567,356	11,082	351,142	552,088	256,632	295,455	377,493	310,725	11,082	55,686
1987:											
1st qtr.	279,351	176,180	5,011	98,160	156,256	79,906	76,350	123,095	96,274	5,011	21,809
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											
					To Japan						
1976	734,412	256,673	17,918	459,821	457,248	134,894	322,354	277,164	121,779	17,918	137,467
1977	776,630	303,248	17,049	456,333	484,006	164,626	319,380	292,624	138,622	17,049	136,953
1978	908,627	404,134	22,763	481,730	566,494	204,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910,338	323,034	587,304	477,264	289,126	22,271	165,867
1980	1,190,875	593,484	16,596	580,795	750,369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451,171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302,800	148,370	154,430	232,375	176,114	13,946	42,315
1985	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986:											
1st qtr.	147,019	96,921	2,679	47,418	80,922	42,757	38,165	66,097	54,164	2,679	9,254
2d qtr.	139,622	101,416	117	38,088	72,339	41,630	30,709	67,283	59,786	117	7,380
3d qtr.	165,358	119,326	3,830	42,202	80,549	46,617	33,931	84,810	72,708	3,830	8,271
4th qtr.	192,859	133,263	4,433	55,163	92,908	52,091	40,818	99,950	81,172	4,433	14,345
1986 total	644,858	450,926	11,059	182,871	326,718	183,095	143,623	318,140	267,830	11,059	39,250
1987:											
1st qtr.	220,900	154,942	4,927	61,031	107,770	64,537	43,233	113,130	90,405	4,927	17,798
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											

Table 19--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 (continued)

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1976	7,908	2,733	--	5,175	7,908	2,733	5,175	--	--	--	--
1977	3,545	2,154	--	1,391	3,545	2,154	1,391	--	--	--	--
1978	2,933	2,129	--	804	2,933	2,129	804	--	--	--	--
1979	7,223	2,435	--	4,788	7,223	2,435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	-	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1,046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	-
1985	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986:											
1st qtr.	219	--	--	219	219	--	219	--	--	--	--
2d qtr.	1,036	32	--	1,005	1,036	32	1,005	--	--	--	--
3d qtr.	431	--	--	431	431	--	431	--	--	--	--
4th qtr.	10,553	386	--	10,167	9,365	386	8,978	1,189	--	--	1,189
1986 total	12,239	418	--	11,822	11,051	418	10,633	1,189	--	--	1,189
1987:											
1st qtr.	5,098	534	--	4,564	4,589	534	4,055	509	--	--	509
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											
To South Korea											
1976	27,546	5,664	--	21,882	24,400	4,350	20,050	3,146	1,315	--	1,831
1977	44,949	4,811	--	40,138	38,738	4,672	34,066	6,211	139	--	6,072
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8,865	1,059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8,730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8,022
1985	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1,108	15	9,410
1986:											
1st qtr.	19,130	504	--	18,626	16,780	427	16,352	2,351	77	--	2,274
2d qtr.	28,828	1,049	23	27,756	25,389	933	24,455	3,439	115	23	3,301
3d qtr.	25,331	1,056	--	24,274	24,253	1,056	23,196	1,078	--	--	1,078
4th qtr.	17,209	300	--	16,909	15,730	196	15,534	1,480	104	--	1,376
1986 total	90,498	2,909	23	87,565	82,152	2,612	79,537	8,348	296	23	8,029
1987:											
1st qtr.	20,436	484	20	19,932	19,202	279	18,923	1,234	204	20	1,010
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											
To People's Republic of China											
1980	41,433	34,285	--	7,148	21,326	16,692	4,634	20,107	17,593	--	2,514
1981	88,000	63,977	--	24,023	67,639	47,363	20,276	20,361	16,614	--	3,747
1982	207,078	158,699	--	48,379	138,219	99,194	39,025	68,859	59,505	--	9,354
1983	220,458	161,616	--	58,842	164,982	110,449	54,533	55,476	51,167	--	4,309
1984	264,969	199,224	--	65,745	184,041	128,413	55,628	80,928	70,811	--	10,116
1985	312,178	221,344	--	90,834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986:											
1st qtr.	68,881	51,472	--	17,409	49,465	32,836	16,629	19,416	18,636	--	780
2d qtr.	50,708	30,502	--	20,207	36,862	20,033	16,828	13,847	10,468	--	3,379
3d qtr.	27,056	11,712	--	15,344	20,023	6,840	13,183	7,033	4,872	--	2,161
4th qtr.	29,827	16,947	--	12,880	22,519	9,639	12,880	7,308	7,308	--	--
1986 total	176,472	110,633	--	65,840	128,869	69,348	59,520	447,604	41,284	--	6,320
1987:											
1st qtr.	30,293	19,054	--	11,239	22,594	13,598	8,996	7,699	5,456	--	2,243
2d qtr.											
3d qtr.											
4th qtr.											
1987 total											

Note: Individual columns may not add to totals because of rounding.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 20--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1976	283.19	281.84	755.83	276.80	273.43	268.98	275.29	301.73	298.10	755.83	280.61
1977	323.48	321.97	1,019.62	317.01	314.30	308.29	317.26	340.94	340.51	1,019.62	316.32
1978	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986:											
1st qtr.	331.24	341.72	1,067.03	307.66	321.77	332.87	310.74	348.44	351.46	1,067.03	290.95
2d qtr.	328.28	346.99	568.77	303.00	316.50	332.53	303.97	348.95	360.78	568.77	298.01
3d qtr.	337.21	352.90	687.05	307.98	319.54	334.09	309.14	364.58	367.58	687.05	301.01
4th qtr.	340.44	367.74	1,156.78	296.56	312.53	341.76	292.75	384.34	388.61	1,156.78	314.81
1986 average	334.37	352.24	911.05	303.43	317.55	335.18	303.67	362.45	367.70	911.05	302.17
1987:											
1st qtr.	360.10	383.48	1,534.75	313.53	331.96	361.12	306.10	403.51	404.26	1,534.75	342.68
2d qtr.											
3d qtr.											
4th qtr.											
1987 average											
					To Japan						
1976	288.34	284.59	729.17	283.74	281.72	274.48	284.86	299.97	296.69	729.17	281.15
1977	330.72	324.74	1,019.62	326.47	323.40	312.83	329.13	343.58	340.13	1,019.62	320.42
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986:											
1st qtr.	360.01	368.35	1,067.03	332.20	344.06	352.66	334.91	381.68	381.76	1,067.03	321.49
2d qtr.	354.89	365.80	508.91	328.50	340.12	348.25	329.68	372.27	379.10	508.91	323.67
3d qtr.	359.80	359.76	687.05	345.01	342.32	336.81	350.18	378.15	376.19	687.05	325.33
4th qtr.	380.14	387.23	1,156.78	346.15	354.91	359.34	349.41	407.04	407.52	1,156.78	337.22
1986 average	364.59	370.77	910.36	338.42	345.74	349.32	341.29	386.21	387.01	910.36	328.32
1987:											
1st qtr.	400.88	408.12	1,579.69	362.70	377.54	391.83	358.05	425.97	420.60	1,579.69	374.51
2d qtr.											
3d qtr.											
4th qtr.											
1987 average											

Table 20--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1976	163.76	184.62	--	154.54	163.76	184.62	154.54	--	--	--	--
1977	225.82	226.00	--	225.56	225.82	226.00	225.56	--	--	--	--
1978	232.08	227.43	--	245.35	232.08	227.43	245.35	--	--	--	--
1979	299.41	314.72	--	292.78	299.41	314.72	292.18	--	--	--	--
1980	327.92	336.71	--	322.03	327.92	336.71	322.03	--	--	--	--
1981	347.60	441.33	--	308.51	347.60	441.33	308.51	--	--	--	--
1982	224.51	215.75	--	225.86	224.51	215.75	225.86	--	--	--	--
1983	200.35	138.54	--	205.44	200.35	137.46	205.44	--	--	--	--
1984	198.93	228.18	--	190.07	198.93	228.18	190.07	--	--	--	--
1985	194.82	456.64	--	194.53	194.82	456.64	194.53	--	--	--	--
1986:											
1st qtr.	106.04	--	--	106.04	106.04	--	106.04	--	--	--	--
2d qtr.	289.18	137.14	--	299.61	289.18	137.14	299.61	--	--	--	--
3d qtr.	148.25	--	--	148.25	148.25	--	148.25	--	--	--	--
4th qtr.	210.09	185.63	--	211.15	207.80	185.63	208.87	230.09	--	--	230.09
1986 average	208.19	180.87	--	209.33	206.10	180.87	207.23	230.09	--	--	230.09
1987:											
1st qtr.	192.19	132.40	--	202.92	188.22	132.40	199.29	237.33	--	--	237.33
2d qtr.											
3d qtr.											
4th qtr.											
1987 average											
To South Korea											
1976	211.78	214.11	--	211.19	208.53	206.47	208.93	240.77	244.77	--	238.54
1977	239.13	226.92	--	240.68	238.75	228.82	240.18	241.53	177.52	--	243.54
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	--	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	--	351.48
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	--	347.09
1981	321.18	368.81	--	317.38	324.46	376.41	320.53	292.45	324.29	--	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	--	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	--	309.95
1984	292.67	286.83	281.14	292.81	291.41	283.51	291.32	303.51	299.92	281.14	303.66
1985	287.64	260.84	441.18	288.63	284.75	245.68	285.80	310.13	288.05	441.18	312.81
1986:											
1st qtr.	284.58	299.44	--	284.19	288.26	307.82	287.78	260.81	260.00	--	260.84
2d qtr.	289.11	269.23	1,429.31	289.73	289.17	265.67	290.15	288.62	301.96	1,429.31	286.59
3d qtr.	272.70	345.92	--	270.21	274.08	345.92	271.51	245.00	--	--	245.00
4th qtr.	261.80	263.56	--	261.77	261.75	265.50	261.70	262.32	260.00	--	262.50
1986 average	277.98	297.75	1,429.31	277.30	278.87	300.47	278.20	269.56	274.84	1,429.31	268.74
1987:											
1st qtr.	273.59	272.42	922.73	273.42	273.20	264.60	273.33	279.74	283.89	922.73	275.07
2d qtr.											
3d qtr.											
4th qtr.											
1987 average											
To People's Republic of China											
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	--	386.95
1981	401.39	427.68	--	344.94	396.06	426.47	339.51	420.18	431.15	--	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	--	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	--	298.15	312.11	319.18	296.94	316.71	318.46	--	304.96
1985	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	--	274.46
1986:											
1st qtr.	296.19	301.08	--	282.64	304.29	310.46	292.79	277.40	285.86	--	162.50
2d qtr.	293.94	301.78	--	282.85	298.51	308.65	287.27	282.45	289.46	--	262.74
3d qtr.	293.09	297.95	--	289.49	302.98	318.15	295.66	268.19	273.56	--	256.83
4th qtr.	268.86	268.86	--	268.86	272.79	278.23	268.86	257.43	257.43	--	--
1986 average	290.10	295.51	--	281.44	296.47	305.75	286.33	274.17	279.78	--	242.40
1987:											
1st qtr.	261.93	269.62	--	249.85	269.97	278.85	257.57	240.87	249.06	--	223.04
2d qtr.											
3d qtr.											
4th qtr.											
1987 average											

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Table 21--Volume of softwood log exports from the San Francisco Customs District by species and destination, 1976-87 1/

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
		To all countries		
1976	109,812	73,924	2,508	33,380
1977	70,902	38,302	2,331	30,269
1978	72,650	49,024	2,880	20,746
1979	65,492	37,551	1,611	26,330
1980	31,672	7,287	653	23,732
1981	25,586	5,890	1,381	18,315
1982	19,507	12,609	6	6,892
1983	33,519	3,643	300	29,576
1984	47,115	16,339	1,764	29,012
1985	62,580	33,967	1,272	27,341
1986:				
1st quarter	10,569	3,900	--	6,669
2d quarter	5,615	217	--	5,398
3d quarter	7,015	--	354	6,661
4th quarter	3,012	30	--	2,982
1986 total	26,211	4,147	354	21,710
1987:				
1st quarter	4,787	195	--	4,592
2d quarter				
3d quarter				
4th quarter				
1987 total				
		To Japan		
1976	96,485	69,395	2,853	24,237
1977	57,815	37,765	2,331	17,719
1978	58,760	48,653	1,757	8,350
1979	57,938	37,411	1,611	18,916
1980	27,180	7,055	653	19,472
1981	20,708	1,024	1,381	18,303
1982	9,022	3,270	6	5,746
1983	24,308	3,626	300	20,382
1984	26,251	2,954	1,764	21,533
1985	25,243	3,956	1,272	20,015
1986:				
1st quarter	6,653	--	--	6,653
2d quarter	2,410	217	--	2,193
3d quarter	7,015	--	354	6,661
4th quarter	2,982	--	--	2,982
1986 total	19,060	217	354	18,489
1987:				
1st quarter	4,592	--	--	4,592
2d quarter				
3d quarter				
4th quarter				
1987 total				
		To People's Republic of China		
1982	9,292	9,282	--	10
1983	8,302	--	--	8,302
1984	13,568	8,875	--	4,693
1985	37,305	30,011	--	7,294
1986:				
1st quarter	3,900	3,900	--	--
2d quarter	3,197	--	--	3,197
3d quarter	--	--	-	--
4th quarter	--	--	--	--
1986 total	7,097	3,900	--	3,197
1987:				
1st quarter			--	--
2d quarter				
3d quarter				
4th quarter				
1987 total				

1/ San Francisco Customs District includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 22--Volume of softwood log exports by State and port, Washington, Oregon, and northern California, 1976-87

(In million board feet, Scribner scale)

Year and quarter	State of Washington								
	Total	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Other
1976	2,191.4	502.1	30.5	277.2	397.4	7.5	324.5	623.7	28.5
1977	2,003.0	402.1	42.1	237.7	328.2	68.7	304.6	607.6	12.0
1978	2,241.0	512.2	41.1	321.8	325.8	87.1	387.2	559.7	7.0
1979	2,616.1	648.7	50.9	332.8	366.1	101.0	505.0	601.7	9.9
1980	2,086.1	498.2	38.0	287.3	387.0	80.2	295.1	497.1	R3.2
1981	1,531.8	414.3	16.7	208.4	215.9	47.3	168.0	446.2	R15.0
1982	1,971.3	552.3	11.0	310.3	374.5	62.6	152.6	494.1	13.9
1983	2,057.9	658.1	6.7	292.5	318.3	40.4	200.6	540.7	.6
1984	2,141.8	633.1	22.1	282.0	352.6	64.4	269.5	515.3	R2.8
1985	2,230.8	684.6	44.3	304.4	352.0	34.2	334.3	472.5	4.4
1986:									
1st quarter	496.9	170.0	5.2	62.8	38.7	2.0	94.7	122.4	1.1
2d quarter	509.9	125.8	6.5	71.3	78.2	0	89.7	135.5	2.8
3d quarter	471.5	86.6	7.6	95.6	76.4	0	86.6	109.7	8.9
4th quarter	516.0	128.0	13.8	89.3	62.5	5.7	102.8	112.2	1.8
1986 total	1,994.3	510.4	33.1	319.0	255.8	7.7	373.8	479.8	14.5
1987:									
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter									
3d quarter									
4th quarter									
1987 total									

Year and quarter	State of Oregon					Northern California 1/				
	Total	Astoria	Coos Bay	Portland	Newport	Total	Eureka	Sacramento	Oakland	Other
1976	545.4	273.3	144.6	99.5	28.0	R110.2	R83.8	26.1	.2	R.1
1977	552.7	210.2	120.1	207.0	15.4	71.0	39.2	25.5	.1	R6.2
1978	605.5	168.4	145.1	277.0	15.0	72.7	46.1	18.4	.3	R7.8
1979	617.5	150.1	128.2	322.0	17.2	65.6	43.0	6.0	.6	R16.0
1980	545.7	134.7	135.2	275.8	0	31.6	14.9	3.9	.6	R12.2
1981	455.3	73.3	113.8	268.2	0	25.5	6.6	13.3	4.4	R1.2
1982	596.2	93.3	191.1	309.5	2.3	17.9	16.0	.7	.1	1.2
1983	533.5	69.0	153.5	309.9	1.1	33.5	17.1	16.3	.1	R0
1984	580.5	66.5	233.4	272.9	7.6	47.1	27.4	16.5	.1	R3.1
1985	773.3	63.6	322.9	361.5	25.6	62.6	46.7	14.8	.1	R1.0
1986:										
1st quarter	213.5	11.9	66.7	111.7	23.2	10.6	5.7	4.9	0	0
2d quarter	167.7	9.7	60.3	91.0	6.8	5.6	1.8	3.8	0	0
3d quarter	178.5	8.0	60.1	105.2	5.3	7.0	1.9	5.2	0	0
4th quarter	225.9	10.2	70.7	141.3	3.7	3.0	0	3.0	0	0
1986 total	785.6	39.8	257.8	449.2	39.0	26.2	9.4	16.9	R.1	0
1987:										
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter										
3d quarter										
4th quarter										
1987 total										

Note: Individual columns may not add to totals because of rounding.

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

R = revised.

NA = not available.

Source: U.S. Department of Commerce.

Table 23--Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1976-87

(In dollars per thousand board feet, Scribner scale)

Year and quarter	State of Washington								
	Total	Aberdeen	Anacortes, Bellingham	Everett	Longview	Olympia	Port Angeles	Tacoma	Other
1976	277.26	269.90	293.96	287.08	302.53	302.53	261.25	277.21	252.97
1977	317.66	311.97	296.28	309.82	336.01	331.68	294.59	327.76	263.80
1978	339.68	332.92	295.77	334.87	379.57	347.93	319.97	340.91	344.67
1979	451.64	452.52	376.18	455.44	518.19	499.12	424.46	428.19	492.38
1980	495.76	490.53	414.44	473.47	506.59	510.63	472.08	523.11	538.84
1981	428.32	394.52	461.88	412.74	462.85	447.21	396.82	473.08	433.06
1982	388.57	354.51	374.42	366.86	420.02	358.61	362.47	429.08	372.14
1983	337.90	314.28	364.25	345.30	361.03	405.78	336.07	344.01	623.79
1984	327.11	311.83	293.83	324.35	353.46	326.45	329.95	329.48	303.70
1985	317.27	299.48	271.99	317.14	343.20	305.33	303.15	338.16	401.64
1986:									
1st quarter	343.30	303.47	228.39	343.92	358.68	307.70	320.21	339.46	525.90
2d quarter	322.14	289.84	277.51	327.56	353.31	0	318.03	336.15	304.74
3d quarter	326.42	291.76	247.02	327.21	361.97	0	308.49	348.19	355.06
4th quarter	321.43	298.61	191.49	337.28	386.02	261.81	280.00	363.42	397.35
1986 average	323.59	294.95	226.90	333.40	364.70	273.86	305.17	346.12	366.44
1987:									
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter									
3d quarter									
4th quarter									
1987 average									

Year and quarter	State of Oregon					Northern California 1/				
	Total	Astoria	Coos Bay	Portland	Newport	Total	Eureka	Sacramento	Oakland	Other
1976	307.45	267.63	372.46	337.44	253.76	312.31	292.15	367.73	1,180.79	R724.94
1977	349.32	338.29	409.01	328.22	318.00	335.14	333.34	337.06	325.04	R338.56
1978	389.23	325.32	512.44	366.77	330.78	358.09	353.99	362.18	1,400.88	R334.14
1979	483.38	461.34	592.98	455.51	381.59	369.65	336.29	393.19	1,538.21	R410.22
1980	508.23	452.99	604.08	488.22	0	492.37	462.98	485.28	661.83	R529.07
1981	477.76	340.14	635.05	448.55	0	488.61	537.93	492.22	458.32	R305.66
1982	423.35	325.14	501.04	404.96	420.00	342.13	334.72	279.64	1,351.94	R420.42
1983	369.15	302.95	411.99	362.85	320.00	345.23	315.41	370.37	1,112.90	R643.92
1984	350.22	296.11	367.28	350.19	300.95	361.38	366.75	358.63	481.48	R326.89
1985	342.31	290.70	359.82	338.61	301.97	299.66	281.93	342.02	1,078.48	R449.98
1986:										
1st quarter	346.58	281.93	386.01	345.84	269.80	298.86	258.19	344.24	666.67	R 0
2d quarter	346.92	295.05	340.10	361.69	283.33	326.60	263.68	349.03	960.93	R 0
3d quarter	365.70	268.58	376.44	371.11	282.58	339.13	357.91	332.37	0	R 0
4th quarter	383.88	240.58	393.43	391.65	297.75	332.08	0	332.40	0	R 0
1986 average	361.72	271.88	375.07	369.38	276.58	319.40	279.20	339.59	850.58	R 0
1987:										
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter										
3d quarter										
4th quarter										
1987 average										

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

R = revised.

NA = not available.

Source: U.S. Department of Commerce.

Table 24--Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1980-87

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	All species		Hemlock		Cedar		Spruce	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
				To all countries				
1980	160,523	532.56	54,412	408.29	16,304	403.03	78,600	553.26
1981	R149,208	480.54	60,094	382.17	9,610	299.38	69,652	578.82
1982	241,123	478.49	124,061	424.61	22,817	382.78	83,911	577.74
1983	262,219	425.55	131,238	358.71	23,402	377.45	101,902	511.54
1984	231,544	396.66	121,349	319.97	15,547	414.68	87,400	496.00
1985	299,190	387.11	177,301	310.28	17,708	354.70	96,689	527.64
1986:								
1st quarter	30,639	393.87	13,206	340.75	4,480	377.46	11,608	447.62
2d quarter	103,089	422.37	62,530	327.46	4,687	359.51	34,242	593.07
3d quarter	109,752	416.20	58,330	305.07	5,768	355.41	40,112	577.86
4th quarter	102,303	354.76	62,587	267.23	3,531	327.39	32,393	474.21
1986 total and average value	345,783	397.88	196,653	302.54	18,466	356.44	118,355	541.12
1987:								
1st quarter	45,006	326.03	26,021	234.27	4,459	252.30	12,819	492.86
2d quarter								
3d quarter								
4th quarter								
1987 total and average value								
				To Japan				
1980	156,275	533.22	54,166	407.71	14,819	379.78	76,087	557.31
1981	141,209	R491.51	60,094	382.17	3,971	276.76	69,587	577.98
1982	219,700	486.71	119,927	424.28	7,374	382.70	83,536	578.27
1983	211,705	452.60	112,446	374.41	4,525	413.70	89,057	542.29
1984	202,238	415.51	107,392	333.41	6,142	431.29	83,217	511.00
1985	250,220	R416.59	148,414	328.30	6,155	354.02	88,261	565.19
1986:								
1st quarter	26,204	436.13	12,823	347.50	3,444	392.86	8,592	574.72
2d quarter	92,977	446.14	56,156	346.59	1,909	385.02	33,282	607.27
3d quarter	91,160	446.89	45,992	318.66	2,202	358.76	37,444	605.06
4th quarter	68,500	445.96	39,027	331.21	1,171	373.19	24,510	576.66
1986 total and average value	278,841	445.40	153,998	334.42	8,726	379.90	103,828	596.55
1987:								
1st quarter	26,813	455.88	13,229	348.25	1,411	298.37	10,466	579.30
2d quarter								
3d quarter								
4th quarter								
1987 total and average value								
				To People's Republic of China				
1980	0	--	0	--	0	--	0	--
1981	3,205	R377.54	0	--	2,977	355.06	65	1,476.92
1982	0	--	0	--	0	--	0	--
1983	15,591	R305.18	5,247	285.69	0	--	10,344	315.06
1984	0	--	0	--	0	--	0	--
1985	2,113	R352.58	1,860	331.18	0	--	253	513.83
1986:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1986 total and average value	0	--	0	--	0	--	0	--
1987:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter								
3d quarter								
4th quarter								
1987 total and average value								

R = revised.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 25--Volume and value of hardwood log exports from customs districts of Seattle, Columbia-Snake, Anchorage, and San Francisco, 1976-87

(Volume in thousand board feet, Scribner scale; value in dollars)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
To all countries								
1976	3,750	1,646,972	236	136,188	0	--	659	1,239,777
1977	2,735	2,117,386	189	87,839	0	--	1,396	2,751,996
1978	2,362	2,190,449	75	91,486	11	19,250	1,772	4,088,466
1979	2,597	2,216,256	341	420,741	138	253,716	1,272	3,049,981
1980	6,826	5,153,711	2,026	764,511	186	44,960	900	2,260,961
1981	3,416	3,173,191	439	470,373	0	--	683	1,422,547
1982	3,788	2,894,801	335	217,463	0	--	623	1,364,227
1983	4,442	2,629,711	374	170,853	0	--	241	228,307
1984	5,918	3,762,641	537	1,020,322	31	52,163	302	650,290
1985	4,024	3,826,934	1,090	1,284,289	0	--	234	327,511
1986:								
1st quarter	2,777	2,798,454	1,306	845,636	0	--	33	58,393
2d quarter	2,604	3,080,777	185	179,507	0	--	67	106,276
3d quarter	707	851,340	107	173,144	31	13,000	129	71,900
4th quarter	1,515	1,672,294	115	92,734	0	--	53	82,482
1986 total	7,603	8,402,865	1,713	1,291,021	31	13,000	282	319,051
1987:								
1st quarter	4,680	4,120,995	306	393,727	0	--	58	141,790
2d quarter								
3d quarter								
4th quarter								
1987 total								
To Japan								
1976	3,313	1,416,317	235	134,988	0	--	456	1,005,649
1977	1,444	1,179,616	17	33,347	0	--	1,063	2,300,667
1978	1,178	819,332	57	84,025	0	--	1,248	3,059,204
1979	1,824	1,153,644	300	359,119	74	188,389	1,059	2,339,089
1980	4,786	1,969,245	1,964	726,891	182	42,200	579	1,532,496
1981	2,037	2,162,473	229	264,161	0	--	310	742,998
1982	1,465	1,212,079	35	64,504	0	--	417	911,992
1983	1,256	918,408	229	81,616	0	--	61	99,250
1984	3,260	1,272,395	398	757,459	0	--	218	433,562
1985	968	1,004,884	438	812,192	0	--	90	152,984
1986:								
1st quarter	947	728,313	1,286	838,036	0	--	0	--
2d quarter	998	1,505,964	106	162,257	0	--	0	--
3d quarter	61	119,751	87	165,644	0	--	0	--
4th quarter	627	675,148	90	54,180	0	--	32	53,570
1986 total	2,633	3,029,176	1,569	1,220,117	0	--	32	53,570
1987:								
1st quarter	1,194	1,317,292	143	156,072	0	--	5	20,765
2d quarter								
3d quarter								
4th quarter								
1987 total								
To People's Republic of China								
1980	6	2,800	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	45	45,000	0	--	0	--	0	--
1983	0	--	100	22,500	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985	0	--	59	14,963	0	--	0	--
1986:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	7	15,900	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1986 total	7	15,900	0	--	0	--	0	--
1987:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter								
3d quarter								
4th quarter								
1987 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. Anchorage Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

Table 26--Volume of log exports from southern California ports by species, 1976-87

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Other softwoods	Hardwoods
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	797	281	211	305
1983	674	0	31	643
1984	2,618	4	624	1,990
1985	1,992	9	779	1,204
1986:				
1st quarter	1,989	67	869	1,053
2d quarter	1,569	8	338	1,223
3d quarter	982	0	238	744
4th quarter	1,268	0	706	562
1986 total	5,808	75	2,151	2,582
1987:				
1st quarter	1,558	0	561	997
2d quarter				
3d quarter				
4th quarter				
1987 total				

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Table 27--Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1976-87 1/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	All species		Douglas-fir		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value
1976	571	228.43	103	254.08	468	222.78
1977	1,227	247.66	467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	--	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985	475	267.38	49	336.90	426	259.38
1986:						
1st quarter	88	241.92	0	--	88	241.92
2d quarter	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--
4th quarter	17	484.53	17	484.53	0	--
1986 total and average value	105	281.20	17	484.53	88	241.92
1987:						
1st quarter	60	251.45	0	--	60	251.45
2d quarter						
3d quarter						
4th quarter						
1987 total and average value						

1/ Great Falls Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

Table 28--Log exports from British Columbia ports by species and destination, 1976-87 1/

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
1977	186,511	10,085	118,085	36,048	19,835	754	1,704
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	2/ 705,487	132,718	382,809	41,112	80,871	54,293	2/ 13,684
1985	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986:							
1st quarter	133,715	2,852	68,888	1,661	25,590	30,977	3,747
2d quarter	151,206	230	76,812	2,255	39,320	18,237	14,352
3d quarter	163,843	871	90,467	2,481	28,872	39,127	2,025
4th quarter	120,608	0	63,608	448	25,694	30,502	356
1986 total	569,372	3,953	299,7755	6,845	119,476	118,843	20,480
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							
			To Japan				
1976	67,192	792	17,026	7,343	39,905	470	1,656
1977	109,301	5,106	65,092	23,413	15,489	201	0
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36,157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	2/ 406,680	88,349	174,230	29,619	69,434	39,208	2/ 5,840
1985	321,464	12,573	164,618	13,431	54,897	75,021	924
1986:							
1st quarter	98,901	245	51,823	1,541	22,556	22,574	162
2d quarter	101,643	230	53,450	1,043	32,032	13,564	1,324
3d quarter	110,732	0	63,000	710	20,720	26,266	36
4th quarter	86,848	0	47,846	447	21,180	17,375	0
1986 total	398,124	475	216,119	3,741	96,488	79,779	1,522
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							

Table 28--Log exports from British Columbia ports by species and destination, 1976-87 1/ (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States				
1976	48,911	4,598	22,043	14,558	1,964	2,876	2,872
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	2/ 110,263	8,167	73,102	6,867	8,426	8,752	2/ 4,979
1985	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986:							
1st quarter	7,520	30	3,969	0	1,624	1,375	522
2d quarter	8,525	0	4,952	470	768	2,317	18
3d quarter	26,467	225	14,788	1,382	5,129	3,487	1,456
4th quarter	13,253	0	4,041	0	1,238	7,974	0
1986 total	55,765	255	27,750	1,852	8,759	15,153	1,996
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							
			To People's Republic of China				
1982	46,689	38,463	0	0	3,787	0	8,911
1983	110,354	57,913	0	0	3,096	5,286	44,059
1984	2/ 171,705	35,869	122,460	0	3,001	6,333	2/ 4,102
1985	98,273	16,259	58,288	768	2,224	13,377	7,357
1986:							
1st quarter	19,529	2,487	7,568	0	23	6,615	2,836
2d quarter	39,899	0	18,732	5	6,477	1,891	12,794
3d quarter	14,473	646	7,676	0	2,011	4,140	0
4th quarter	6,712	0	4,866	0	431	1,415	0
1986 total	80,613	3,133	38,842	5	8,942	14,061	15,630
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							

1/ Figures do not include shipments of pulpwood logs.

2/ Incomplete; does not include all "Hardwoods."

NA = not available.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 29--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1976-87

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

Year and quarter	Volume	Average value
1976	44,438	122.62
1977	91,962	194.93
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981	33,985	319.77
1982	59,492	313.27
1983	76,674	225.58
1984	65,067	135.12
1985	48,654	275.97
1986:		
1st quarter	237	311.74
2d quarter	6,619	78.64
3d quarter	16,978	107.60
4th quarter	4,030	474.13
1986 total and average value	27,864	155.47
1987:		
1st quarter	2,692	368.43
2d quarter		
3d quarter		
4th quarter		
1987 total and average value		

Source: U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

Table 30--Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1976-87

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average value	Volume	Average value
	Short tons 1/	Dollars	Cords 2/	Dollars
1976	877,550	20.98	1,967	32.14
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985	727,446	27.48	0	--
1986:				
1st quarter	199,189	25.36	0	--
2d quarter	245,552	22.25	0	--
3d quarter	84,543	25.41	85	124.73
4th quarter	172,302	32.02	0	--
1986 total and average value	701,586	25.91	85	124.73
1987:				
1st quarter	91,470	31.61	0	--
2d quarter				
3d quarter				
4th quarter				
1987 total and average value				

1/ Short tons are on a dry weight basis.

2/ Cords are on a green weight basis.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 31--Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1976-87

(In short tons, on a dry weight basis; value in dollars per short ton)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		San Francisco Customs District		Anchorage Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985	276,054	76.16	1,626,490	74.22	302,147	71.31	0	--
1986:								
1st quarter	91,810	81.31	325,281	73.95	58,494	68.64	0	--
2d quarter	58,676	75.47	407,330	72.12	60,473	75.86	0	--
3d quarter	111,582	74.58	376,420	73.23	71,434	68.98	0	--
4th quarter	184,158	69.48	468,708	69.62	66,580	73.81	0	--
1986 total and average value	446,226	73.97	1,577,739	72.02	256,981	71.77	0	--
1987:								
1st quarter	84,041	81.47	349,730	72.62	48,503	74.88	0	--
2d quarter								
3d quarter								
4th quarter								
1987 total and average value								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Seattle Customs District includes all ports in the State of Washington, except Longview and Vancouver. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Anchorage Customs District is the State of Alaska.

Table 32--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 1/

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To all countries							
1976	698,941	478,100	145,645	75,196	311,599	155,041	94,581	61,977	387,342	323,059	51,064	13,219
1977	549,059	372,609	125,479	50,971	256,703	123,783	92,364	40,556	292,356	248,826	33,115	10,415
1978	585,588	374,032	135,156	76,400	310,100	128,895	118,094	63,111	275,488	245,137	17,062	13,289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211,030	103,858	426,322	328,378	69,031	28,907
1980	984,882	449,123	338,487	197,272	521,728	106,671	270,706	144,351	463,154	342,452	67,781	52,921
1981	933,739	451,075	268,024	214,640	467,886	139,070	173,000	155,816	465,853	312,005	95,024	58,824
1982	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
1984	949,509	496,419	257,628	195,462	423,477	121,404	161,660	140,413	526,032	375,015	95,968	55,049
1985	905,870	426,536	302,144	177,190	424,256	105,742	184,465	134,049	481,614	320,794	117,679	43,141
1986:												
1st qtr.	R280,339	R121,806	R107,104	R51,429	R159,847	R41,143	R77,316	R41,388	120,492	80,663	29,788	10,041
2d qtr.	R278,813	R119,914	R104,822	R54,077	R176,876	R47,772	R82,336	R46,768	R101,937	R72,142	22,486	7,309
3d qtr.	R256,332	R96,753	R96,261	R63,318	R180,585	R48,901	R76,374	R55,310	R75,747	R47,852	R19,887	8,008
4th qtr.	R336,045	R125,875	R144,423	R65,747	R230,003	R55,522	R119,438	R55,043	R106,042	R70,353	24,985	10,704
1986 total	R1,151,529	R464,348	R452,610	R234,571	R747,311	R193,338	R355,464	R198,509	R404,218	R271,010	R97,146	36,062
1987:												
1st qtr.	338,860	155,924	122,279	60,657	212,687	60,640	102,460	49,587	126,173	95,284	19,819	11,070
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												
					To Japan							
1976	186,628	68,927	107,884	9,817	127,553	39,430	80,891	7,232	59,075	29,497	26,993	2,585
1977	145,386	40,945	93,719	10,722	108,468	20,845	80,161	7,462	36,918	20,100	13,558	3,260
1978	163,233	36,429	108,610	18,194	141,963	25,609	103,056	13,289	21,270	10,820	5,554	4,896
1979	355,840	75,567	227,702	52,571	258,444	45,549	177,239	35,656	97,396	30,018	50,463	16,915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986:												
1st qtr.	R156,889	R32,239	R100,191	R24,459	R100,505	13,155	R70,948	R16,402	56,384	19,084	29,243	8,057
2d qtr.	R154,721	R30,226	R98,747	R25,748	R114,917	17,523	R77,057	R20,337	R39,804	R12,703	21,690	5,411
3d qtr.	R147,202	25,181	R88,508	R33,513	R113,675	17,539	69,241	R26,895	R33,527	7,642	R19,267	6,618
4th qtr.	R213,597	R41,739	R137,082	R34,776	R168,411	R29,894	R112,499	R26,018	45,186	11,845	24,583	8,758
1986 total	R672,409	R129,385	R424,528	R118,496	R497,508	R78,111	R329,745	R89,652	R174,901	R51,274	R94,783	28,844
1987:												
1st qtr.	190,115	45,433	113,784	30,898	151,624	34,141	94,298	23,185	38,491	11,292	19,486	7,713
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												

Table 32--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 1/ (continued)

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1976	101,633	50,327	6,737	44,569	101,633	50,327	6,737	44,569	0	0	0	0
1977	76,251	45,842	3,695	26,714	76,251	45,842	3,695	26,714	0	0	0	0
1978	117,969	69,852	9,241	38,876	117,930	69,813	9,241	38,876	39	39	0	0
1979	113,977	38,917	18,870	56,190	113,977	38,917	18,870	56,190	0	0	0	0
1980	159,658	54,876	26,325	78,457	159,658	54,876	26,325	78,457	0	0	0	0
1981	213,594	91,861	20,598	101,135	213,594	91,861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	0
1984	109,979	45,625	7,559	56,795	109,979	45,625	7,559	56,795	0	0	0	0
1985	118,885	52,845	6,127	59,913	118,870	52,830	6,127	59,913	15	15	0	0
1986:												
1st qtr.	R37,541	R15,600	R1,762	R20,179	R37,541	R15,600	R1,762	R20,179	0	0	0	0
2d qtr.	R37,118	R14,904	R2,406	R19,808	R37,118	R14,904	R2,406	R19,808	0	0	0	0
3d qtr.	R40,204	R14,372	R3,359	R22,473	R40,204	R14,372	R3,359	R22,473	0	0	0	0
4th qtr.	R36,146	R14,298	R2,421	R19,427	R36,146	R14,298	R2,421	R19,427	0	0	0	0
1986 total	R151,009	R59,174	R9,948	R81,887	R151,009	R59,174	R9,948	R81,887	0	0	0	0
1987:												
1st qtr.	36,629	12,858	2,855	20,916	36,629	12,858	2,855	20,916	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												
					To People's Republic of China							
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986:												
1st qtr.	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	0	0	0	0	0	0	0	0	0	0	0	0
1986 total	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
1987:												
1st qtr.	0	0	0	0	0	0	0	0	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												

1/ Includes lumber classified as railroad crossties and not specified by species.

R = revised.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 33--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 1/

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
						To all countries						
1976	222,687	167,584	32,064	23,038	81,086	43,462	20,526	17,099	141,600	124,122	11,538	5,940
1977	186,690	138,601	30,198	17,890	71,411	36,042	22,369	13,000	115,279	102,559	7,830	4,890
1978	212,155	150,940	36,021	25,194	89,987	39,933	31,495	18,558	122,168	111,007	4,526	6,636
1979	435,366	272,971	105,592	56,803	166,095	46,566	78,413	41,117	269,271	226,405	27,180	15,686
1980	429,549	251,940	108,257	69,351	169,364	38,529	84,048	46,788	260,185	213,411	24,210	22,564
1981	361,416	196,961	91,882	72,572	155,626	50,182	55,846	49,598	205,789	146,779	36,037	22,974
1982	323,061	175,211	89,511	58,339	142,366	36,056	69,144	37,166	180,696	139,156	20,367	21,173
1983	363,007	206,037	90,489	66,481	166,499	45,242	70,845	50,411	196,509	160,795	19,644	16,070
1984	330,970	190,732	74,134	66,104	132,977	39,207	49,225	44,545	197,993	151,525	24,909	21,560
1985	303,085	158,986	89,107	54,991	130,816	34,168	57,877	38,771	172,269	124,818	31,231	16,220
1986:												
1st qtr.	93,488	45,614	31,787	16,087	49,775	14,267	23,344	12,164	43,713	31,347	8,443	3,923
2d qtr.	102,922	50,914	33,391	18,617	59,288	17,387	26,170	15,731	43,634	33,526	7,221	2,886
3d qtr.	91,046	39,724	29,858	21,464	58,771	16,029	24,609	18,133	32,275	23,695	5,249	3,331
4th qtr.	126,477	55,390	48,081	23,006	78,051	19,630	39,930	18,490	48,426	35,760	8,151	4,516
1986 total	413,932	191,641	143,117	79,174	245,884	67,314	114,053	64,517	168,048	124,327	29,064	14,656
1987:												
1st qtr.	132,173	69,223	42,618	20,332	73,354	21,506	36,064	15,785	58,819	47,717	6,555	4,547
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												
						To Japan						
1976	41,200	14,127	23,623	3,450	28,549	9,155	16,957	2,438	12,651	4,973	6,666	1,012
1977	35,428	10,211	22,526	2,692	26,738	5,558	19,268	1,912	8,691	4,652	3,258	780
1978	48,964	14,318	28,917	5,729	41,719	10,142	27,162	4,414	7,245	4,176	1,755	1,315
1979	148,834	37,132	85,634	26,068	105,441	22,273	66,052	17,116	43,392	14,859	19,582	8,952
1980	127,954	20,803	82,940	24,211	93,330	10,354	64,998	17,979	34,624	10,449	17,942	16,232
1981	111,549	24,244	66,441	20,864	67,835	11,139	41,421	15,274	43,715	13,105	25,020	5,590
1982	129,281	29,748	77,542	21,980	81,284	11,752	55,660	13,872	46,997	17,996	21,882	8,119
1983	137,571	33,469	77,244	26,858	98,180	16,073	59,386	22,721	39,391	17,395	17,858	4,137
1984	123,595	30,899	64,837	27,859	74,996	13,802	41,970	19,224	48,598	17,097	22,867	8,635
1985	141,536	28,966	83,125	29,445	82,653	8,795	53,681	20,177	58,883	20,171	29,444	9,268
1986:												
1st qtr.	48,071	10,068	29,575	8,427	31,156	4,294	21,322	5,540	16,915	5,774	8,253	2,887
2d qtr.	51,872	10,729	31,117	10,026	38,622	6,322	24,109	8,191	13,250	4,407	7,008	1,835
3d qtr.	48,784	8,450	27,145	13,188	38,083	5,409	22,084	10,590	10,701	3,042	5,062	2,598
4th qtr.	73,576	15,219	45,222	13,135	57,443	10,480	37,256	9,707	16,133	4,738	7,966	3,428
1986 total	222,302	44,466	133,059	44,777	165,304	26,505	104,771	34,028	56,999	17,961	28,288	10,749
1987:												
1st qtr.	66,321	15,662	39,158	11,500	53,434	11,954	32,769	8,711	12,887	3,709	6,389	2,790
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												

Table 33--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 1/ (continued)

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
					To Canada							
1976	24,725	12,949	1,654	10,122	24,725	12,949	1,654	10,122	0	0	0	0
1977	18,087	9,429	1,006	7,652	18,087	9,429	1,006	7,652	0	0	0	0
1978	21,979	10,632	2,227	9,120	21,958	10,611	2,227	9,120	21	21	0	0
1979	37,986	14,959	6,249	16,777	37,986	14,959	6,249	16,777	0	0	0	0
1980	42,096	15,679	6,649	19,768	42,096	15,679	6,649	19,768	0	0	0	0
1981	58,031	27,433	6,200	24,397	58,031	27,433	6,200	24,397	0	0	0	0
1982	31,671	13,648	3,536	14,505	31,671	13,648	3,536	14,505	0	0	0	0
1983	44,175	20,039	3,297	20,838	44,175	20,039	3,297	20,838	0	0	0	0
1984	31,348	13,068	2,534	15,745	31,348	13,068	2,534	15,745	0	0	0	0
1985	31,634	15,738	2,098	13,798	31,625	15,729	2,098	13,798	9	9	0	0
1986:												
1st qtr.	10,029	4,993	625	4,411	10,029	4,993	625	4,411	0	0	0	0
2d qtr.	10,208	4,861	846	4,502	10,208	4,861	846	4,502	0	0	0	0
3d qtr.	10,694	4,749	1,016	4,929	10,694	4,749	1,016	4,929	0	0	0	0
4th qtr.	9,651	4,584	840	4,227	9,651	4,584	840	4,227	0	0	0	0
1986 total	40,582	19,187	3,327	18,069	40,582	19,187	3,327	18,069	0	0	0	0
1987:												
1st qtr.	9,757	4,154	1,043	4,560	9,757	4,154	1,043	4,560	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												
					To People's Republic of China							
1981	2,566	2,531	15	20	91	55	15	20	2,475	2,475	0	0
1982	577	577	0	0	0	0	0	0	577	577	0	0
1983	2,381	2,381	0	0	0	0	0	0	2,381	2,381	0	0
1984	11,914	8,923	2	2,989	0	0	0	0	11,914	8,923	2	2,989
1985	4,784	3,669	732	383	41	0	0	41	4,743	3,669	732	341
1986:												
1st qtr.	1,077	655	407	16	407	0	407	0	670	655	0	16
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	0	0	0	0	0	0	0	0	0	0	0	0
1986 total	1,077	655	407	16	407	0	407	0	670	655	0	16
1987:												
1st qtr.	0	0	0	0	0	0	0	0	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												

Note: Individual columns may not add to totals because of rounding.

1/ Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 34--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 1/

(In dollars per thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
						To all countries						
1976	318.61	350.52	220.15	306.38	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.34
1977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	R363.64	R417.90	291.66	359.59	R301.01	R308.04	291.53	313.02	R434.95	R460.46	292.09	486.70
1983	R355.17	R401.64	306.32	311.15	301.26	297.07	317.28	284.66	R418.66	R445.80	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985	334.58	372.74	294.92	310.35	308.34	323.13	313.75	289.23	357.69	389.09	265.39	375.97
1986:												
1st qtr.	R333.48	R374.48	R296.79	R312.80	R311.39	R346.77	R301.93	R293.90	R362.79	R388.62	R283.44	R390.70
2d qtr.	R369.14	R424.59	R318.55	R344.27	R335.20	R363.96	R317.84	R336.36	R428.05	R464.72	321.13	R394.86
3d qtr.	R355.19	R410.57	R310.18	R338.99	R325.45	R327.78	R322.22	R327.84	R426.09	R495.17	R263.94	R415.96
4th qtr.	R376.37	R440.04	R332.92	R349.92	R339.35	R353.55	R334.32	R335.92	R456.67	R508.29	R326.24	R421.90
1986 average	R359.46	R412.71	R316.20	R337.53	R329.03	R348.17	R320.86	R325.01	R415.74	R458.75	R299.18	R406.41
1987:												
1st qtr.	390.05	443.95	348.53	335.20	344.89	354.65	351.98	318.33	466.18	500.79	330.74	410.75
2d qtr.												
3d qtr.												
4th qtr.												
1987 average												
						To Japan						
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
1977	243.68	249.38	240.35	250.06	246.50	266.64	240.37	256.19	235.40	231.45	240.28	239.31
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986:												
1st qtr.	306.40	R312.29	R295.19	R344.54	R309.99	R326.42	R300.53	R337.76	R300.00	R302.56	R282.22	R358.32
2d qtr.	R335.26	R354.96	R315.12	R389.39	R336.09	R360.78	R312.87	R402.76	R332.88	R346.93	R323.10	R339.12
3d qtr.	R331.41	R335.57	306.70	R393.52	R335.02	R308.40	318.94	R393.75	319.18	R398.06	R262.73	R392.57
4th qtr.	R344.46	R364.62	R329.89	R377.70	R341.09	R350.57	R331.17	R373.09	R357.04	R400.00	R324.05	R391.41
1986 average	R330.61	R343.67	R313.43	R377.88	R332.26	R339.32	R317.73	R379.56	R325.89	R350.29	R298.45	R372.66
1987:												
1st qtr.	348.85	344.73	344.14	372.19	352.41	350.14	347.50	375.72	334.81	328.46	327.88	361.73
2d qtr.												
3d qtr.												
4th qtr.												
1987 average												

Table 34--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 1/ (continued)

(In dollars per thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
						To Canada						
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11	--	--	--	--
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43	--	--	--	--
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	--	--	--	--
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985	266.09	297.82	342.38	230.30	266.05	297.74	342.38	230.30	590.00	590.00	--	--
1986:												
1st qtr.	R267.15	R320.06	R354.71	R218.59	R267.15	R320.06	R354.71	R218.59	--	--	--	--
2d qtr.	R275.01	R326.15	R351.62	R228.28	R275.01	R326.15	R351.62	R227.28	--	--	--	--
3d qtr.	R265.99	R330.43	R302.47	R219.33	R265.99	R330.43	R302.47	R219.33	--	--	--	--
4th qtr.	R267.00	R320.60	R346.96	R217.58	R267.00	R320.60	R346.96	R217.58	--	--	--	--
1986 average	R268.74	R324.25	R334.44	R220.66	R268.74	R324.25	R334.44	R220.66	--	--	--	--
1987:												
1st qtr.	266.37	323.07	365.32	218.01	266.37	323.07	365.32	218.01	--	--	--	--
2d qtr.												
3d qtr.												
4th qtr.												
1987 average												
						To People's Republic of China						
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	--
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986:												
1st qtr.	R203.90	R216.46	186.87	R205.13	186.87	--	186.87	--	R215.85	R216.46	--	R205.13
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	--	--	--	--	--	--	--	--	--	--	--	--
1986 average	R203.90	R216.46	186.87	R205.13	186.87	--	186.87	--	R215.85	R216.46	--	R205.13
1987:												
1st qtr.	--	--	--	--	--	--	--	--	--	--	--	--
2d qtr.												
3d qtr.												
4th qtr.												
1987 average												

1/ Includes lumber classified as railroad crossties and not specified by species.

R = revised.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 35--Volume of softwood lumber exports from northern California ports by species and destination, 1976-87 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
		To all countries		
1976	40,585	14,430	462	25,693
1977	44,438	18,951	1,137	24,350
1978	32,919	12,931	684	19,304
1979	30,832	10,539	1,498	18,795
1980	34,603	10,531	3,777	20,295
1981	47,315	7,841	12,037	27,437
1982	52,717	13,855	7,536	31,326
1983	43,280	18,583	5,619	19,078
1984	23,203	10,250	617	12,336
1985	32,921	15,340	867	16,714
1986:				
1st quarter	12,768	6,899	542	5,327
2d quarter	8,188	4,085	879	3,224
3d quarter	8,484	1,936	1,152	5,396
4th quarter	13,841	3,875	2,341	7,625
1986 total	43,281	16,795	4,914	21,572
1987:				
1st quarter	12,230	3,190	1,747	7,293
2d quarter				
3d quarter				
4th quarter				
1987 total				
		To Japan		
1976	5,724	168	396	5,160
1977	7,766	1,354	0	6,412
1978	6,763	107	200	6,456
1979	8,854	0	700	8,154
1980	17,384	1,160	3,256	12,968
1981	29,437	2,608	11,834	14,995
1982	38,213	7,285	6,581	24,347
1983	22,157	2,233	5,414	14,510
1984	10,127	345	321	9,461
1985	14,794	282	708	13,804
1986:				
1st quarter	5,019	26	505	4,488
2d quarter	3,621	0	879	2,742
3d quarter	5,783	30	1,152	4,601
4th quarter	9,228	170	2,341	6,717
1986 total	23,651	226	4,877	18,548
1987:				
1st quarter	7,675	106	1,186	6,383
2d quarter				
3d quarter				
4th quarter				
1987 total				
		To People's Republic of China		
1981	93	0	0	93
1982	22	17	0	5
1983	0	0	0	0
1984	0	0	0	0
1985	0	0	0	0
1986:				
1st quarter	0	0	0	0
2d quarter	0	0	0	0
3d quarter	0	0	0	0
4th quarter	0	0	0	0
1986 total	0	0	0	0
1987:				
1st quarter	0	0	0	0
2d quarter				
3d quarter				
4th quarter				
1987 total				

1/ Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Table 36--Volume of softwood lumber exports from southern California ports by species and destination, 1976-87 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Other softwoods
	To all countries		
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	71,212	7,491	63,721
1983	35,727	2,603	33,124
1984	78,696	2,979	75,717
1985	95,935	2,067	93,868
1986:			
1st quarter	27,261	528	26,733
2d quarter	29,803	547	29,256
3d quarter	27,336	623	26,713
4th quarter	34,073	825	33,248
1986 total	118,473	2,523	115,950
1987:			
1st quarter	36,699	178	36,521
2d quarter			
3d quarter			
4th quarter			
1987 total			
	To Japan		
1976	377	--	377
1977	172	73	99
1978	471	--	471
1979	739	--	739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982	290	12	278
1983	2,699	22	2,677
1984	410	0	410
1985	149	0	149
1986:			
1st quarter	15	0	15
2d quarter	18	0	18
3d quarter	11	0	11
4th quarter	123	0	123
1986 total	167	0	167
1987:			
1st quarter	33	0	33
2d quarter			
3d quarter			
4th quarter			
1987 total			

1/ Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 37--Volume of softwood lumber exports from Anchorage Customs District by species and destination, 1976-87

(In thousand board feet)

Year and quarter	Total	Western hemlock	Sitka spruce	Cedar	Other softwoods
To all countries					
1976	290,011	134,387	148,526	1,298	5,800
1977	250,044	122,544	121,350	5,579	571
1978	237,795	126,218	111,435	53	89
1979	278,462	172,005	103,844	479	2,134
1980	256,716	158,682	96,607	105	1,322
1981	195,981	104,974	91,007	0	0
1982	171,966	75,500	94,805	0	1,661
1983	136,660	70,791	64,193	0	1,676
1984	120,874	75,445	44,915	0	514
1985	87,127	59,426	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	24,418	14,923	8,478	0	1,017
3d quarter	24,148	17,634	6,375	0	139
4th quarter	32,591	17,478	13,425	0	1,688
1986 total	119,981	72,894	43,162	0	3,925
1987:					
1st quarter	21,248	14,837	6,140	10	261
2d quarter					
3d quarter					
4th quarter					
1987 total					
To Japan					
1976	289,197	134,274	148,221	902	5,800
1977	245,445	122,471	121,083	1,391	500
1978	236,615	125,355	111,207	53	0
1979	273,615	170,149	101,408	435	1,623
1980	251,369	156,654	94,610	105	0
1981	161,794	82,753	79,041	0	0
1982	155,826	71,192	83,966	0	668
1983	119,662	64,250	53,814	0	1,598
1984	117,425	72,805	44,620	0	0
1985	85,981	58,280	27,701	0	0
1986:					
1st quarter	38,824	22,859	14,884	0	1,081
2d quarter	23,426	14,923	8,478	0	25
3d quarter	24,127	17,634	6,354	0	139
4th quarter	32,565	17,478	13,425	0	1,662
1986 total	118,942	72,894	43,141	0	2,907
1987:					
1st quarter	21,220	14,837	6,140	0	243
2d quarter					
3d quarter					
4th quarter					
1987 total					
To People's Republic of China					
1981	27,149	18,428	8,721	0	0
1982	13,153	3,307	9,846	0	0
1983	12,254	6,428	5,826	0	0
1984	0	0	0	0	0
1985	0	0	0	0	0
1986:					
1st quarter	0	0	0	0	0
2d quarter	0	0	0	0	0
3d quarter	0	0	0	0	0
4th quarter	0	0	0	0	0
1986 total	0	0	0	0	0
1987:					
1st quarter	0	0	0	0	0
2d quarter					
3d quarter					
4th quarter					
1987 total					

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Table 38--Volume of softwood lumber exports to Canada from the Great Falls Customs District, 1976-87 1/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29,645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982	47,418	8,595	690	38,133
1983	69,222	12,534	852	55,836
1984	57,574	7,898	683	48,993
1985	34,526	8,582	394	25,550
1986:				
1st quarter	9,152	1,958	46	7,148
2d quarter	8,884	2,377	285	6,222
3d quarter	9,003	1,907	264	6,832
4th quarter	7,434	1,971	182	5,281
1986 total	34,473	8,213	777	25,483
1987:				
1st quarter	8,294	2,164	94	6,036
2d quarter				
3d quarter				
4th quarter				
1987 total				

1/ Great Falls Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

Table 39--Lumber exports from British Columbia ports by species and destination, 1976-87

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To all countries				
1976	4,670,033	542,197	1,967,446	467,829	1,191,429	499,853	1,279
1977	5,860,807	683,614	2,364,028	533,267	2,269,876	8,796	1,226
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	1/1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986:							
1st quarter	1,580,036	125,294	583,986	223,389	47,355	599,364	648
2d quarter	1,844,791	186,206	685,894	275,193	47,094	649,871	533
3d quarter	1,379,325	137,637	498,954	215,679	31,779	494,852	424
4th quarter	913,294	57,152	293,172	147,788	37,444	377,364	374
1986 total	5,717,446	506,289	2,062,006	862,049	163,672	2,121,451	1,979
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							
			To Japan				
1976	633,863	13,727	476,927	79,934	61,743	1,521	11
1977	705,823	18,530	530,567	90,447	65,943	65	251
1978	779,135	23,799	545,983	116,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985	995,661	56,977	579,064	128,550	86,587	143,891	592
1986:							
1st quarter	246,869	8,536	155,444	31,720	19,418	31,733	18
2d quarter	267,870	19,549	148,395	41,196	25,025	33,657	48
3d quarter	214,259	16,355	112,151	34,079	20,678	30,890	106
4th quarter	189,621	11,630	76,646	34,215	29,363	37,618	149
1986 total	918,619	56,070	492,636	141,210	94,484	133,898	321
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							

Table 39--Lumber exports from British Columbia ports by species and destination, 1976-87 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			To United States 2/				
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986:							
1st quarter	1,050,010	67,103	301,512	170,034	27,019	482,712	630
2d quarter	1,257,900	117,029	382,338	210,653	21,014	526,393	473
3d quarter	978,051	102,139	309,693	165,054	9,587	391,279	299
4th quarter	539,097	24,246	166,471	103,331	5,544	239,280	225
1986 total	3,825,058	310,517	1,160,014	650,072	63,164	1,639,664	1,627
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							
			To People's Republic of China				
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985	104,281	672	103,609	0	0	0	0
1986:							
1st quarter	16,470	0	16,092	0	0	378	0
2d quarter	12,850	0	12,850	0	0	0	0
3d quarter	5,092	0	5,092	0	0	0	0
4th quarter	5,885	0	5,885	0	0	0	0
1986 total	40,297	0	39,919	0	0	378	0
1987:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter							
3d quarter							
4th quarter							
1987 total							

1/ Incomplete; does not include all "Other softwoods" or "Hardwoods."

2/ Figures do not include shipments of railroad crossties.

NA = not available.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 40--Volume of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1976-87

(In thousand square feet)

Year and quarter	From both customs districts		From Seattle Customs District		From Columbia-Snake Customs District	
	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
			To all countries			
1976	532,576	24,229	34,020	23,846	498,556	383
1977	233,762	17,673	20,603	17,447	213,159	226
1978	242,105	12,160	23,284	8,871	218,821	3,289
1979	330,018	9,962	27,132	9,644	302,886	318
1980	279,003	9,718	20,747	8,806	258,256	912
1981	327,967	18,645	65,729	17,333	262,238	1,312
1982	221,609	9,435	36,268	9,346	185,341	89
1983	322,386	16,541	38,008	16,320	284,378	221
1984	156,715	9,140	23,663	9,126	133,052	284
1985	94,676	9,874	15,691	9,203	78,985	671
1986:						
1st quarter	62,589	1,200	3,650	1,200	58,939	0
2d quarter	42,842	2,625	3,153	2,298	39,689	327
3d quarter	32,065	2,614	3,854	2,614	28,211	0
4th quarter	66,740	6,183	15,724	6,163	51,016	20
1986 total	204,236	12,622	26,381	12,275	177,855	347
1987:						
1st quarter	80,280	3,341	12,640	3,267	67,640	74
2d quarter						
3d quarter						
4th quarter						
1987 total						
			To Japan			
1976	2,361	61	498	61	1,863	0
1977	1,914	162	122	74	1,792	88
1978	2,821	18	167	18	2,654	0
1979	6,040	108	931	108	5,109	0
1980	8,301	978	4,158	978	4,143	0
1981	5,056	13	2,162	12	2,894	1
1982	6,720	19	3,152	19	3,568	0
1983	5,680	16	3,973	0	1,707	16
1984	6,429	0	2,054	0	4,375	0
1985	6,050	755	1,310	84	4,740	671
1986:						
1st quarter	1,966	0	540	0	1,426	0
2d quarter	1,803	24	506	24	1,297	0
3d quarter	2,197	0	61	0	2,136	0
4th quarter	1,678	15	170	15	1,508	0
1986 total	7,644	39	1,277	39	6,367	0
1987:						
1st quarter	3,192	88	764	30	2,428	58
2d quarter						
3d quarter						
4th quarter						
1987 total						
			To Western Europe			
1978	193,988	1,722	5,227	173	188,761	1,549
1979	295,782	88	10,089	76	285,693	12
1980	246,652	119	5,940	119	240,712	0
1981	249,543	677	12,163	0	237,380	677
1982	170,695	79	11,805	0	158,890	79
1983	286,229	145	13,625	145	272,604	0
1984	125,645	236	8,651	236	116,994	0
1985	73,724	65	5,497	65	68,227	0
1986:						
1st quarter	57,788	0	1,325	0	56,463	0
2d quarter	37,914	0	1,288	0	36,626	0
3d quarter	25,777	0	1,490	0	24,287	0
4th quarter	52,960	304	5,202	304	47,758	0
1986 total	174,439	304	9,305	304	165,134	0
1987:						
1st quarter	70,237	346	6,726	346	63,511	0
2d quarter						
3d quarter						
4th quarter						
1987 total						

Source: U.S. Department of Commerce. Columbia-Snake Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver.

Table 41--Volume of plywood exports from California, 1976-87 1/

(In thousand square feet)

Year and quarter	Total	Northern California		Southern California	
		Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
1976	19,696	10,085	92	4,681	5,111
1977	9,198	5,148	646	1,818	1,586
1978	6,036	2,833	899	964	1,340
1979	5,934	1,638	871	1,946	1,479
1980	9,054	1,414	849	3,546	3,245
1981	9,349	2,424	487	2,830	3,608
1982	7,464	3,026	1,364	1,557	1,517
1983	8,128	3,442	974	1,330	2,382
1984	9,405	2,608	513	1,629	4,655
1985	15,478	6,239	325	1,720	7,194
1986:					
1st quarter	8,979	1,467	15	1,896	5,601
2d quarter	8,453	1,473	511	3,828	2,641
3d quarter	5,607	321	14	3,507	1,765
4th quarter	4,524	970	8	1,746	1,800
1986 total	27,563	4,231	548	10,977	11,807
1987:					
1st quarter	5,135	1,011	4	1,838	2,282
2d quarter					
3d quarter					
4th quarter					
1987 total					

1/ Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown.

Table 42--Volume of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-87

(In thousand square feet)

Year and quarter	From both customs districts		From Seattle Customs District		From Columbia-Snake Customs District	
	Softwood 3/8-inch basis	Hardwood surface measure	Softwood 3/8-inch basis	Hardwood surface measure	Softwood 3/8-inch basis	Hardwood surface measure
			To all countries			
1978	112,287	15,251	112,150	15,159	137	92
1979	101,900	11,959	99,315	10,918	2,585	1,041
1980	97,271	10,197	96,517	9,901	754	296
1981	189,980	11,814	185,648	11,790	4,332	24
1982	231,303	19,514	148,876	5,870	82,427	13,644
1983	292,795	14,263	160,267	13,826	132,528	437
1984	266,106	37,273	127,697	31,771	138,409	5,502
1985	221,547	38,168	153,095	35,856	68,452	2,312
1986:						
1st quarter	48,560	8,600	28,087	8,600	20,473	0
2d quarter	84,607	18,857	65,960	18,857	18,647	0
3d quarter	94,092	15,661	83,991	14,629	10,101	1,032
4th quarter	106,539	20,961	93,304	19,047	13,235	1,914
1986 total	333,798	64,079	271,342	61,133	62,456	2,946
1987:						
1st quarter	108,050	23,006	88,870	22,065	19,180	941
2d quarter						
3d quarter						
4th quarter						
1987 total						
			To Japan			
1978	34	846	0	846	34	0
1979	2,625	2,171	1,528	1,130	1,097	1,041
1980	5,120	1,367	4,938	1,367	182	0
1981	978	821	0	821	978	0
1982	82,282	12,700	1,487	37	80,795	12,663
1983	105,068	2,640	5,311	2,498	99,757	142
1984	110,954	1,579	0	1,579	110,954	0
1985	56,238	3,242	268	949	55,970	2,293
1986:						
1st quarter	16,601	76	0	76	16,601	0
2d quarter	46,112	1,333	31,621	1,333	14,491	0
3d quarter	9,846	2,827	1,723	1,795	8,123	1,032
4th quarter	21,831	5,788	18,437	4,797	3,394	991
1986 total	94,390	10,024	51,781	8,001	42,609	2,023
1987:						
1st quarter	22,114	7,566	8,477	6,625	13,637	941
2d quarter						
3d quarter						
4th quarter						
1987 total						
			To Western Europe			
1978	49	0	33	0	16	0
1979	1,417	0	617	0	800	0
1980	3,859	0	3,415	0	444	0
1981	480	0	480	0	0	0
1982	14	34	14	8	0	26
1983	38,570	0	7,567	0	31,003	0
1984	30,122	5,138	2,790	0	27,332	5,138
1985	13,093	432	682	432	12,411	0
1986:						
1st quarter	4,916	1,272	1,044	1,272	3,872	0
2d quarter	4,141	266	214	266	3,927	0
3d quarter	1,978	415	0	415	1,978	0
4th quarter	11,278	0	2,029	0	9,249	0
1986 total	22,313	1,953	3,287	1,953	19,026	0
1987:						
1st quarter	5,546	0	141	0	5,405	0
2d quarter						
3d quarter						
4th quarter						
1987 total						

Source: U.S. Department of Commerce. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Columbia-Snake Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Data are compiled from Department of Commerce records at the end of each quarter.

Table 43--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986 Total	1986 1st qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
Montana:											
U.S. Forest Service 1/	547,509	589,875	457,599	552,665	496,622	84,140	89,319				
U.S. Bur. Land Manage. 2/	6,265	16,375	4,647	7,940	10,259	2,714	115				
U.S. Bur. Indian Affairs	17,198	13,136	23,891	19,671	22,172	795	NA				
State of Montana	25,470	23,553	22,095	23,280	26,083	4,769	12,913				
Total	596,442	642,939	508,232	603,556	555,136	92,418	NA				
Idaho:											
U.S. Forest Service 1/	687,320	686,650	674,122	704,023	649,631	140,029	115,452				
U.S. Bur. Land Manage. 2/	11,538	12,133	2,302	10,990	21,645	7,194	2,778				
U.S. Bur. Indian Affairs	7,070	8,605	6,850	4,994	784	784	0				
State of Idaho	38,727	82,674	181,552	127,863	191,842	22,659	50,387				
Total	744,655	790,062	864,826	847,870	863,902	170,666	168,617				
All public lands:											
U.S. Forest Service 1/	1,234,829	1,276,525	1,131,721	1,256,688	1,146,253	224,169	204,771				
U.S. Bur. Land Manage. 2/	17,803	28,508	6,949	19,399	31,904	9,908	2,893				
U.S. Bur. Indian Affairs	24,268	21,741	30,741	24,665	22,956	1,579	NA				
State of Montana	25,470	23,553	22,095	23,280	26,083	4,769	12,913				
State of Idaho	38,727	82,674	181,552	127,863	191,842	22,659	50,387				
Total	1,341,097	1,433,001	1,373,058	1,451,895	1,419,038	263,084	NA				

1/ Convertible products only.

2/ Does not include cull log sales.

NA = not available.

Source: respective agencies listed.

Table 44--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1982-87

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985	1986 Average	1986 1st qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Average
Montana:											
U.S. Forest Service 1/	29.80	33.97	27.12	23.30	22.16	23.41	30.83				
U.S. Bur. Land Manage. 2/	32.17	22.78	27.46	16.71	34.67	23.83	36.96				
U.S. Bur. Indian Affairs	73.50	51.13	34.08	41.39	63.63	81.50	NA				
State of Montana	81.39	83.70	72.37	79.34	64.85	60.40	64.40				
Average	33.28	35.86	29.42	25.97	26.05	25.83	NA				
Idaho:											
U.S. Forest Service 1/	28.28	47.13	46.45	23.74	33.31	22.89	43.59				
U.S. Bur. Land Manage. 2/	26.71	75.56	96.26	40.25	24.70	21.38	22.70				
U.S. Bur. Indian Affairs	78.79	78.71	82.36	55.09	94.71	94.71	--				
State of Idaho	45.28	71.04	63.18	61.31	56.26	60.87	65.02				
Average	29.62	50.41	50.38	29.80	38.25	28.20	49.65				
All public lands:											
U.S. Forest Service 1/	28.95	41.05	38.63	23.56	28.48	23.08	38.02				
U.S. Bur. Land Manage. 2/	28.63	45.24	50.25	30.07	27.91	22.05	23.27				
U.S. Bur. Indian Affairs	75.04	62.04	44.84	44.16	64.70	88.06	NA				
State of Montana	81.39	83.70	72.37	79.34	64.85	60.40	64.60				
State of Idaho	45.28	71.04	63.18	61.31	56.26	60.87	65.02				
Average	31.25	43.88	42.62	28.21	33.48	27.37	NA				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Does not include cull log prices.

NA = not available.

Source: respective agencies listed.

Table 45--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1976-87 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1976	23.00	56.80	91.40	16.70	42.20	9.60	45.80	52.90	9.30	35.40
1977	41.50	96.60	122.70	38.30	61.40	11.90	72.00	72.20	20.20	53.20
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	69.60	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	60.90	28.30	37.70	36.20
1983	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70
1984	46.90	66.50	104.90	37.30	39.00	44.50	106.70	49.50	45.00	49.20
1985	34.10	58.70	108.30	28.40	37.70	35.70	91.50	35.00	32.70	37.80
1986	35.10	64.30	119.20	35.90	37.60	34.60	73.10	32.90	32.10	37.40
1987:										
1st quarter	42.40	52.50	107.20	45.00	41.30	78.00	110.50	26.50	45.80	49.90
2d quarter										
3d quarter										
4th quarter										
1987 average										

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

Table 46--Volume of timber sold on publicly owned or managed lands in California, 1982-87

(In thousand board feet, Scribner scale)

					1986		1987				
Agency	1982	1983	1984	1985	Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	1,617,664	1,786,681	1,490,204	1,608,346	1,472,112	351,501	445,747				
U.S. Bur. Land Manage. 2/	33,385	8,919	13,140	16,616	20,398	187	867				
U.S. Bur. Indian Affairs	63,595	3,000	3,634	4,342	81,529	14,533	0				
State of California	34,726	31,452	33,529	27,232	31,316	21,274	17,537				
Total	1,749,370	1,830,052	1,540,507	1,656,536	1,605,355	387,495	464,151				

1/ Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 47--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1982-87

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985	1986		1987				
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/ 2/	53.87	70.66	61.08	56.35	71.84	76.36	110.96				
U.S. Bur. Land Manage. 3/	41.10	78.47	63.21	48.16	61.75	13.51	51.23				
U.S. Bur. Indian Affairs	153.90	110.00	48.24	89.98	85.13	63.75	--				
State of California	133.93	188.59	174.30	131.16	103.69	105.82	109.69				
Average	58.86	72.79	63.53	57.58	73.01	77.47	110.80				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 48--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1976-87 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
1977	124.30	131.40	168.50	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986:							
1st quarter	61.60	145.50	151.20	31.00	63.30	31.70	84.30
2d quarter	78.90	138.30	127.50	9.80	79.70	65.50	93.70
3d quarter	64.15	88.64	113.27	10.14	170.75	42.63	75.85
4th quarter	68.92	169.11	208.58	5.44	184.67	54.97	119.11
1986 average	66.49	125.62	134.43	10.82	132.69	46.08	87.23
1987:							
1st quarter	84.48	198.07	189.08	22.93	217.64	69.97	119.61
2d quarter							
3d quarter							
4th quarter							
1987 average							

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

Table 49--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1983-87

(In thousand board feet, Scribner scale)

Agency	1983	1984	1985	1986 Total	1986 1st qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
Western Washington:										
U.S. Forest Service 1/	1,153,819	996,173	699,004	1,136,822	252,012	121,778				
U.S. Bur. Land Manage.	0	0	60	4,952	0	0				
U.S. Bur. Indian Aff.	13,653	19,587	25,739	26,421	3,776	13,548				
State of Washington 2/	637,295	448,105	768,035	731,001	217,027	156,830				
Total	1,704,767	1,463,865	1,492,838	1,899,196	472,815	292,156				
Eastern Washington:										
U.S. Forest Service 1/	495,326	350,177	344,653	482,848	83,089	157,008				
U.S. Bur. Land Manage.	3,414	2,185	4,016	386	13	0				
U.S. Bur. Indian Aff.	165,656	106,603	227,939	92,765	14,679	40,924				
State of Washington 2/	62,235	60,305	98,235	114,790	27,030	34,045				
Total	726,631	519,270	674,843	690,789	124,811	231,977				
Western Oregon:										
U.S. Forest Service 1/	2,179,345	2,271,941	2,123,325	2,613,915	582,471	775,166				
U.S. Bur. Land Manage.	1,045,924	1,042,117	974,921	1,474,511	349,466	248,000				
U.S. Bur. Indian Aff.	2,361	3,212	7,951	6,158	0	0				
State of Oregon	268,416	208,797	198,017	190,502	21,945	13,678				
Total	3,496,046	3,526,067	3,304,217	4,285,086	953,882	1,036,844				
Eastern Oregon:										
U.S. Forest Service 1/	1,148,349	1,279,703	1,099,194	1,543,732	256,483	327,588				
U.S. Bur. Land Manage.	19,212	14,078	21,627	9,519	0	0				
U.S. Bur. Indian Aff.	17,370	73,180	93,700	73,048	43,060	68,948				
State of Oregon	1,726	6,713	243	8,335	0	0				
Total	1,186,657	1,373,674	1,214,764	1,634,634	299,543	396,536				
All public lands:										
U.S. Forest Service 1/	4,976,839	4,897,994	4,266,176	5,777,317	1,174,055	1,381,540				
U.S. Bur. Land Manage.	1,068,550	1,058,380	1,000,624	1,489,368	349,479	248,000				
U.S. Bur. Indian Aff.	199,040	202,582	355,329	198,392	61,515	123,420				
State of Washington 2/	699,530	508,410	866,270	845,791	244,057	190,875				
State of Oregon	270,142	215,510	198,260	198,837	21,945	13,678				
Total	7,214,101	6,882,876	6,686,659	8,509,705	1,851,051	1,957,513				

1/ Convertible products only.

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 50--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1983-87

(In dollars per thousand board feet)

Agency	1983	1984	1985	1986 Total	1986 1st qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
Western Washington:										
U.S. Forest Service 1/	73.84	61.92	62.47	91.06	92.62	99.28				
U.S. Bur. Land Manage.	--	--	95.00	61.64	--	--				
U.S. Bur. Indian Aff.	97.71	69.87	54.85	67.32	82.50	45.53				
State of Washington 2/	138.41	118.70	111.38	133.44	120.36	149.83				
Average	96.82	79.41	87.50	106.96	105.27	123.93				
Eastern Washington:										
U.S. Forest Service 1/	38.60	29.86	28.40	33.49	50.46	61.42				
U.S. Bur. Land Manage.	51.84	28.49	31.54	41.98	55.00	--				
U.S. Bur. Indian Aff.	127.06	157.14	151.94	128.39	80.45	99.93				
State of Washington 2/	67.83	110.78	71.27	107.87	126.97	116.68				
Average	61.34	65.26	76.54	58.60	70.56	76.32				
Western Oregon:										
U.S. Forest Service 1/	129.33	96.70	81.91	116.53	100.56	133.53				
U.S. Bur. Land Manage.	131.14	101.19	82.32	95.12	89.27	111.79				
U.S. Bur. Indian Aff.	170.20	126.56	156.29	161.02	--	--				
State of Oregon	165.39	129.92	133.07	134.35	102.07	143.22				
Average	132.67	100.02	85.28	110.02	96.46	128.45				
Eastern Oregon:										
U.S. Forest Service 1/	81.70	73.61	83.68	104.36	128.06	143.71				
U.S. Bur. Land Manage.	57.58	39.17	32.48	42.17	--	--				
U.S. Bur. Indian Aff.	140.60	109.02	86.41	103.48	101.58	142.34				
State of Oregon	59.68	120.29	92.93	59.88	--	--				
Average	82.14	75.37	82.98	103.73	124.26	143.47				
All public lands:										
U.S. Forest Service 1/	96.45	78.80	74.88	101.33	101.32	124.73				
U.S. Bur. Land Manage.	129.56	100.21	81.03	94.66	89.28	111.79				
U.S. Bur. Indian Aff.	126.74	130.83	127.73	112.10	95.37	117.65				
State of Washington 2/	132.13	117.76	106.83	129.97	121.09	143.92				
State of Oregon	164.71	129.62	149.48	131.23	102.07	143.22				
Average	108.20	88.09	84.96	103.96	101.46	124.64				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Excludes sales under $20,000.

Source: respective agencies listed.

Table 51--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1976-87 1/

(In dollars per thousand board feet)

Year and quarter	Douglas-fir: West side	Douglas-fir: East side	Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars 2/	Larch	Noble fir and Shasta red fir	Other true firs	All species
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
1977	225.90	71.20	138.40	162.80	142.70	35.40	36.50	103.00	89.20	149.60	62.10	128.90	85.10	153.80
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986:														
1st quarter	157.50	41.90	205.00	177.90	73.60	5.90	20.70	101.00	67.10	105.50	48.90	11.90	53.70	129.40
2d quarter	165.80	31.90	159.30	224.40	133.80	10.50	104.90	93.80	80.50	208.90	25.50	55.00	42.00	121.50
3d quarter	154.90	41.80	209.20	213.90	129.60	15.00	21.30	24.40	68.90	155.70	53.90	71.90	49.70	127.60
4th quarter	168.20	18.10	214.30	180.30	96.10	7.80	10.20	118.80	83.20	156.10	64.00	142.70	47.80	135.30
1986 average	160.70	34.10	196.30	199.10	116.70	9.40	38.10	93.90	74.10	156.30	48.50	84.30	47.70	127.90
1987:														
1st quarter	181.10	46.30	253.80	250.10	192.10	24.50	23.90	81.80	81.30	120.60	47.50	102.60	56.90	153.00
2d quarter														
3d quarter														
4th quarter														
1987 average														

1/ Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

2/ Includes Port-Orford-cedar.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987 1/ 2/

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood--												
1st quarter	64,630	182.25	6,900	37.84	1,500	260.25	20,500	84.43	5,900	87.57	128,530	124.91
2d quarter												
3d quarter												
4th quarter												
Total and average												
Rogue River--												
1st quarter	24,149	154.25	0	--	850	132.13	0	--	11,638	134.70	58,287	140.98
2d quarter												
3d quarter												
4th quarter												
Total and average												
Siskiyou--												
1st quarter	54,960	166.56	0	--	0	--	2,900	16.65	1,470	50.61	69,047	159.28
2d quarter												
3d quarter												
4th quarter												
Total and average												
Siuslaw--												
1st quarter	110,867	133.59	0	--	0	--	6,670	86.31	0	--	127,536	123.66
2d quarter												
3d quarter												
4th quarter												
Total and average												
Umpqua--												
1st quarter	89,440	162.81	0	--	2,200	140.60	3,680	21.25	5,900	13.45	129,850	131.55
2d quarter												
3d quarter												
4th quarter												
Total and average												
Willamette--												
1st quarter	149,662	200.99	0	--	400	329.90	23,360	41.49	3,480	14.62	251,271	145.24
2d quarter												
3d quarter												
4th quarter												
Total and average												
All western Oregon:												
1st quarter	493,708	170.37	6,900	37.84	4,950	190.70	57,110	59.57	28,388	80.81	764,521	136.84
2d quarter												
3d quarter												
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	29,295	109.32	0	--	0	--	7,040	100.16	7,660	116.02	52,475	93.63
2d quarter												
3d quarter												
4th quarter												
Total and average												
Mount Baker-Snoqualmie--												
1st quarter	16,945	149.58	0	--	0	--	15,775	87.85	1,484	58.41	44,131	106.43
2d quarter												
3d quarter												
4th quarter												
Total and average												
Olympic--												
1st quarter	4,710	116.50	0	--	0	--	11,845	77.83	180	12.39	21,200	86.42
2d quarter												
3d quarter												
4th quarter												
Total and average												

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	50,950	123.37	0	--	0	--	34,660	86.93	9,324	104.85	117,806	97.13
2d quarter												
3d quarter												
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	544,658	165.97	6,900	37.84	4,950	190.70	91,770	69.90	37,712	86.76	882,327	131.54
2d quarter												
3d quarter												
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	4,040	19.52	28,270	277.87	0	--	9,260	18.95	54,105	152.18
2d quarter												
3d quarter												
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	33,437	185.82	0	--	8,677	38.94	53,760	123.95
2d quarter												
3d quarter												
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	6,100	59.40	30,239	293.94	0	--	2,100	26.70	39,879	233.45
2d quarter												
3d quarter												
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	6,800	22.80	37,200	248.74	0	--	3,500	31.25	47,500	200.37
2d quarter												
3d quarter												
4th quarter												
Total and average												
Umatilla--												
1st quarter	0	--	13,290	30.38	8,720	198.75	0	--	12,420	18.96	55,840	49.32
2d quarter												
3d quarter												
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	--	3,010	15.96	2,170	52.64	0	--	1,645	6.65	10,505	17.94
2d quarter												
3d quarter												
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	4,250	21.60	38,490	273.87	0	--	18,690	48.25	64,130	180.48
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	--	37,490	30.40	178,526	249.82	0	--	56,292	32.46	325,719	148.11
2d quarter												
3d quarter												
4th quarter												
Total and average												

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987 1/ 2/ (continued)

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs 3/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washington:												
Colville--												
1st quarter	0	--	16,570	38.16	104	135.00	417	29.30	8,440	17.70	39,714	41.36
2d quarter												
3d quarter												
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	19,420	51.82	7,410	196.97	0	--	0	--	41,330	69.50
2d quarter												
3d quarter												
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	17,267	47.50	11,823	178.21	170	100.00	13,110	59.41	51,370	74.72
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	53,257	46.17	19,337	185.16	587	49.78	21,550	43.07	132,414	63.09
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	90,747	39.66	197,863	243.50	587	49.78	77,842	35.40	458,133	123.53
2d quarter												
3d quarter												
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	544,658	165.97	97,647	39.53	202,813	242.21	92,357	69.77	115,554	52.16	1,340,460	128.80
2d quarter												
3d quarter												
4th quarter												
Total and average												
All of Oregon:												
1st quarter	493,708	170.37	44,390	31.56	183,476	248.22	57,110	59.57	84,680	48.67	1,090,240	140.21
2d quarter												
3d quarter												
4th quarter												
Total and average												
All of Washington:												
1st quarter	50,950	123.37	53,257	46.17	19,337	185.16	35,247	86.31	30,874	61.73	250,220	79.11
2d quarter												
3d quarter												
4th quarter												
Total and average												

1/ Preliminary.

2/ Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

3/ Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington.

Table 53--Volume of timber sold on publicly owned or managed lands in Alaska, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986 Total	1986 1st qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
U.S. Forest Service 1/ 2/	71,429	79,994	58,411	51,110	255,598	5,888	11,051				
U.S. Bur. Land Manage.3/	1,270	0	0	66	322	0	0				
U.S. Bur. Indian Affairs	7,680	0	0	871	0	0	0				
State of Alaska	24,154	72,145	21,087	20,178	13,111	2,642	8,997				
Total	104,533	152,139	79,498	72,225	269,031	8,530	20,048				

1/ Excludes sales under $2,000.

2/ Convertible products only.

3/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 54--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986		1987				
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service 1/	32.03	14.82	15.95	6.97	9.12	15.07	15.59				
U.S. Bur. Land Manage.2/	28.08	--	--	9.47	39.79	--	--				
U.S. Bur. Indian Affairs	122.40	--	--	46.93	--	--	--				
State of Alaska	18.23	87.96	14.95	15.53	13.88	14.57	12.86				
Average	35.43	49.46	15.72	9.85	9.39	14.91	14.37				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

2/ Does not include cull log sales or volume given away through free use permits.

Source: respective agencies listed.

Table 55--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1976-87 1/

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1976	25.10	12.00	67.30	28.00
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982	39.00	14.50	35.70	32.40
1983	29.00	6.70	8.90	14.60
1984	18.83	4.67	76.32	18.86
1985	18.78	5.73	29.97	13.77
1986:				
1st quarter	22.05	17.71	7.77	16.75
2d quarter	11.60	24.15	9.89	20.58
3d quarter	22.82	3.81	34.72	20.85
4th quarter	24.37	10.28	73.03	16.62
1986 average	18.08	17.41	32.46	18.94
1987:				
1st quarter	40.87	17.13	27.18	25.75
2d quarter				
3d quarter				
4th quarter				
1987 average				

1/ Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

Table 56--Volume and average value of all species of timber sold from the USDA Forest Service Regions of the Western United States, 1976-87 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--east side		Pacific Northwest Region--west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume 2/	Value
1976	872.0	32.96	290.7	7.70	293.4	33.01	290.5	16.42	1,425.0	77.87	1,134.9	60.01	2,489.3	124.41	15.8	21.80
1977	1,043.3	49.46	325.7	16.91	281.5	68.86	424.6	19.81	1,705.8	118.40	1,377.3	100.70	3,285.5	156.89	1.3	9.77
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	147.7	93.84
1981	1,033.7	57.45	417.7	8.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	165.7	46.47
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	74.0	31.37
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.5	22.25	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	80.1	14.82
1984	865.9	33.16	455.8	12.27	409.3	35.31	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	58.4	15.95
1985	948.4	26.07	443.7	8.64	293.0	21.64	428.3	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986:																
1st qtr.	140.1	19.78	41.3	12.45	56.0	19.75	110.8	27.45	351.3	76.38	339.5	109.08	834.5	98.16	5.9	15.07
2d qtr.	329.9	23.60	109.2	25.55	118.7	32.35	131.9	19.34	279.7	74.32	581.5	68.90	936.7	115.91	104.8	4.89
3d qtr.	337.3	34.80	132.5	15.62	231.9	27.54	142.2	20.37	613.0	60.24	664.9	89.59	1,285.2	106.17	60.6	14.05
4th qtr.	119.5	32.38	51.0	23.52	77.3	18.38	62.8	34.07	212.9	97.62	434.8	92.97	705.5	115.49	84.3	10.42
Total or average	926.8	28.23	334.0	19.68	483.9	26.36	447.7	23.74	1,456.9	72.30	2,020.7	87.64	3,761.9	108.49	255.6	9.12
1987:																
1st qtr.	200.3	36.58	122.8	23.83	80.1	30.18	29.7	58.47	443.9	110.97	460.6	120.40	896.0	129.14	11.1	15.59
2d qtr.																
3d qtr.																
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern Region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

2/ Does not include long-term timber contracts.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 57--Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1976-87 1/

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region--east side		Pacific Northwest Region--west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1976	1,101.1	40.83	305.0	17.20	396.8	50.25	468.7	55.17	1,889.6	69.38	1,537.7	64.42	2,858.2	95.01	472.2	6.31
1977	1,008.0	43.25	311.0	16.72	412.1	52.82	431.4	51.95	1,801.3	90.81	1,393.4	86.43	2,720.2	116.41	491.3	3.82
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	54.46	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.7	16.42
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.85
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	44.06	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.8	31.14	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	249.1	14.91
1985	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.28	265.6	-10.47
1986:																
1st qtr.	160.7	42.97	81.6	17.05	60.0	38.57	61.8	15.82	126.9	127.06	310.2	99.45	474.4	90.84	33.4	6.29
2d qtr.	164.6	42.32	122.4	9.72	98.6	44.65	55.8	20.77	499.3	86.95	357.0	93.25	837.0	100.59	59.6	2.47
3d qtr.	393.1	34.99	64.7	23.18	160.1	46.05	164.0	14.29	751.3	66.17	613.0	80.52	1,053.3	91.93	106.4	2.72
4th qtr.	297.7	35.99	183.9	9.57	183.9	49.97	195.3	19.62	574.8	88.97	668.7	100.84	941.4	110.60	72.8	3.41
Total or average	1,016.1	37.73	452.6	12.91	502.6	46.32	476.9	17.43	1,952.3	82.15	1,948.9	92.84	3,306.1	99.15	272.2	3.29
1987:																
1st qtr.	213.4	38.09	78.7	16.20	47.4	31.09	53.1	29.31	112.1	73.21	337.4	113.56	571.8	128.38	55.3	2.73
2d qtr.																
3d qtr.																
4th qtr.																
Total or average																

1/ Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

Note: Negative stumpage value caused by emergency rate redeterminations.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Table 58--Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1981-85 1/

(Volume in thousand cubic meters; value in Canadian dollars 2/ 3/)

	Coast 4/		Interior 5/	
Species and year	Volume	Average value	Volume	Average value
Balsam:				
1981	3481	9.43	4127	1.55
1982	2260	2.90	3450	1.18
1983	2410	2.81	3051	.97
1984	3342	2.86	4057	1.18
1985	2883	2.49	4059	1.12
Cedar:				
1981	3697	7.36	1443	2.05
1982	2871	3.25	1313	1.74
1983	3011	3.50	917	1.57
1984	4141	7.05	1580	2.00
1985	3880	8.53	1391	1.84
Cypress:				
1981	573	53.37	4	14.16
1982	387	17.28	4	8.67
1983	281	9.37	4	5.43
1984	574	10.45	2	9.68
1985	465	9.10	0	--
Fir:				
1981	1563	13.32	3235	3.29
1982	1292	6.28	2802	2.03
1983	1280	4.52	2821	1.14
1984	1513	3.75	3142	1.40
1985	1489	3.85	3231	1.34
Hemlock:				
1981	6969	9.55	2288	.94
1982	5200	2.65	1313	.91
1983	5505	2.61	646	.86
1984	7131	2.67	1188	.78
1985	6162	2.27	1450	.80
Larch:				
1981	0	--	276	1.64
1982	0	--	211	1.33
1983	0	--	271	1.22
1984	0	--	307	1.35
1985	0	--	296	1.32
Lodgepole pine:				
1981	11	2.36	12 300	1.26
1982	2	2.00	10 315	1.21
1983	5	1.20	11 168	.84
1984	1	2.25	13 752	1.12
1985	3	1.16	13 295	1.02
Spruce:				
1981	768	31.97	12 549	2.66
1982	771	10.93	12 075	1.36
1983	736	11.62	12 944	1.24
1984	720	6.68	15 688	1.27
1985	764	7.13	15 066	1.22
White pine:				
1981	31	6.84	320	9.54
1982	25	2.56	164	5.68
1983	18	1.93	126	2.01
1984	22	1.89	137	3.77
1985	21	1.88	132	4.86
Other species:				
1981	34	2.21	90	3.27
1982	48	2.98	90	1.97
1983	10	1.40	134	1.14
1984	12	1.38	127	.84
1985	5	1.28	98	1.29
All species:				
1981	17 127	11.85	36 352	2.02
1982	12 858	4.13	31 737	1.37
1983	13 256	3.70	32 082	1.00
1984	17 457	4.26	39 983	1.23
1985	15 672	4.45	39 018	1.18

1/ Fiscal year ending March 31.

2/ Factors to convert cubic meters to board feet, Scribner scale, vary according to size and quality of timber. Size and quality may vary from one year to the next and between the coast and interior regions. For the coast, the approximate conversion factor lies between 5.0 and 6.0 cubic meters per 1,000 board feet; for the interior, 5.75 and 6.5 cubic meters per 1,000 board feet.

3/ Average stumpage prices do not reflect the effect of road and other credits against stumpage as authorized under section 88 of the British Columbia Forest Act of 1978.

4/ Coast region includes portions of Cariboo, Prince Rupert, and Vancouver forest regions.

5/ Interior region includes Kamloops, Nelson, Prince George, and portions of Cariboo, Prince Rupert, and Vancouver forest regions.

Source: Province of British Columbia Ministry of Forests Annual Report, Victoria.

Table 59--Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1976-86 1/

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho 2/		Oregon 3/	Washington 3/
			Northern	Southern		
1976	4/ 5,516.3	1,350.4	4/ 1,650.5	578.9	7,755.8	3,822.3
1977	4/ 4,882.3	4/ 1,309.9	4/ 1,480.1	5/ 993.6	7,351.5	4,293.5
1978	5,126.4	5/ 1,331.4	5/ 1,604.9	4/ 1,009.2	8,538.3	3,948.3
1979	5/ 5,221.5	5/ 1,426.0	5/ 1,525.5	5/ 939.3	8,610.5	4,730.6
1980	5/ 5,834.9	1,468.6	1,386.6	819.1	9,939.3	4,526.7
1981	5/ 6,225.2	5/ 1,631.8	5/ 1,693.6	5/ 780.7	4/ 12,020.1	4/ 5,377.1
1982	4/ 7,365.6	4/ 1,800.7	5/ 1,833.6	E 756.0	4/ 12,646.6	4/ 5,478.3
1983	4/ 6,974.9	4/ 1,848.9	4/ 1,995.9	4/ 807.0	4/ 13,361.9	4/ 5,820.4
1984	4/ 7,278.0	4/ 1,752.2	4/ 1,740.1	4/ 810.0	4/ 12,857.4	4/ 5,312.0
1985	4/ 7,179.0	4/ 2,046.0	4/ 1,785.2	5/ 707.0	4/ 13,278.2	4/ 5,362.4
1986	4/ 4,911.0	4/ 1,924.4	4/ 1,947.5	4/ 712.3	4/ 7,777.6	4/ 2,970.6

1/ As of December 31 unless otherwise noted.

2/ The National Forests in northern Idaho are Clearwater, Nezperce, and the Panhandle administrative unit which absorbed the Coeur D'Alene and the St. Joe National Forests; in southern Idaho, the National Forests are Boise, Caribou, Challis, Payette, Salmon, Sawtooth, and Targhee.

3/ Before 1986, the volume figures included some buy-out and default volumes; the 1986 figures do not.

4/ As of June 30.

5/ As of September 30.

E = estimated.

Source: Forest Service, U.S. Department of Agriculture, Regions 1, 4, 5, and 6.

Table 60--Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1977-87

(In million board feet, Scribner scale)

Fiscal year	Oregon 1/	Washington	Total
1977	3,112	1,359	4,471
1978	3,357	1,455	4,812
1979	3,609	1,581	5,190
1980	3,690	1,542	5,232
1981	3,676	1,526	5,202
1982	3,681	1,527	5,208
1983	3,389	1,323	4,712
1984	3,608	1,320	4,928
1985	3,457	1,253	4,710
1986	3,469	1,216	4,685
1987	3,874	1,279	5,153

1/ This figure includes California volumes for Rogue River and Siskiyou National Forests; this also includes Washington volume for Umatilla National Forest.

Table 61--Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1976-86

(In million board feet, Scribner log scale)

Year	Allowable cut 1/	Uncut volume under contract	Ratio
1976	1,196	2,077	1.7
1977	1,183	2,066	1.7
1978	1,183	2,204	1.9
1979	1,133	2,224	2.0
1980	1,134	2,484	2.2
1981	1,120	2,608	2.3
1982	1,120	3,491	3.1
1983	1,048	3,520	3.4
1984	1,023	3,639	3.6
1985	1,000	3,498	3.5
1986	1,574	2,104	1.3

1/ Allowable cut is defined as volume offered. This includes an estimated 17.5 million board feet for eastern Oregon.

Source: Bureau of Land Management.

Table 62--Allowable annual cut and uncut volume under contract on Oregon State lands, 1975-85 1/

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1975	206	391	1.9
1976	203	428	2.1
1977	220	446	2.0
1978	241	443	1.8
1979	223	472	2.2
1980	225	482	2.1
1981	220	507	2.3
1982	220	676	3.1
1983	205	503	2.5
1984	202	555	2.7
1985	210	461	2.2

1/ As of December 31.

Source: State of Oregon, Department of Forestry.

Table 63--Allowable annual cut and uncut volume under contract on Washington State lands, 1976-86 1/

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1976	774	1,977	2.6
1977	774	2,021	2.6
1978	774	1,801	2.3
1979	774	1,880	2.4
1980	757	1,893	2.5
1981	757	1,902	2.5
1982	757	2,088	2.8
1983	757	1,714	2.3
1984	777	1,403	1.8
1985	777	1,169	1.5
1986	880	1,013	1.3

1/ As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 64--Small business set-aside sales on National Forests by number of sales and by volume, Pacific Northwest Region, 1976-87

(Volume in thousand board feet)

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1976	1	2,263	0	--	1	15,200	7	68,250	0	--	2	8,350	4	10,658
1977	3	13,800	7	63,290	8	69,000	13	192,500	0	--	10	70,450	15	76,379
1978	4	43,500	0	--	1	357	15	161,500	0	--	0	--	20	83,836
1979	5	42,760	4	2,150	11	79,460	0	--	0	--	19	11,575	34	86,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0	--	18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982	10	38,460	9	9,580	8	13,440	18	30,920	0	--	12	4,400	31	16,246
1983	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905
1984	4	3,480	2	3,429	4	17,800	42	42,473	1	545	7	10,510	17	4,882
1985	4	2,896	8	45,616	6	36,960	12	8,960	4	1,060	12	5,025	18	48,940
1986	3	1,022	8	48,504	4	27,800	9	7,180	4	459	22	63,950	6	3,175
1987:														
1st qtr.	1	770	5	25,465	0	--	0	--	1	19	5	7,910	0	--
2d qtr.														
3d qtr.														
4th qtr.														
1987 total														

Year and quarter	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Siuslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1976	3	19,270	2	9,300	5	45,579	18	46,254	7	22,335	17	118,763	6	23,110
1977	0	--	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31,100
1978	5	34,300	0	--	6	44,615	47	171,251	13	62,300	39	231,303	0	--
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29,755	15	2,951	5	32,400
1984	0	--	0	--	2	1,480	22	23,005	15	77,305	8	1,524	2	5,400
1985	0	--	2	10,200	1	250	10	11,396	9	4,980	8	2,907	1	1,300
1986	10	74,950	2	18,100	9	9,173	19	94,400	6	3,270	31	126,810	1	10,700
1987:														
1st qtr.	2	28,100	0	--	0	--	2	990	0	--	16	75,719	0	--
2d qtr.														
3d qtr.														
4th qtr.														
1987 total														

Year and quarter	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1976	21	55,093	0	--	0	--	19	121,100	5	38,040	118	603,565
1977	29	128,705	0	--	0	--	48	174,585	8	35,110	207	1,148,159
1978	29	125,330	0	--	0	--	33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0	--	5	23,100	53	146,366	6	59,050	266	1,045,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19,000	206	285,052
1985	72	9,668	9	4,820	11	34,772	34	21,828	0	--	221	251,578
1986	16	3,010	9	5,390	5	21,648	50	105,894	7	56,620	221	682,055
1987:												
1st qtr.	9	780	0	--	1	1,600	5	1,815	0	--	47	143,168
2d qtr.												
3d qtr.												
4th qtr.												
1987 total												

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

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Warren, Debra D. 1987. Production, prices, employment, and trade in Northwest forest industries, first quarter 1987. Resour. Bull. PNW-RB-145. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 74 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), import/export (forest products), markets (external), economics (forestry business).

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives – as directed by Congress – to provide increasingly greater service to a growing Nation.

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Pacific Northwest Research Station
319 S.W. Pine St.
P.O. Box 3890
Portland, Oregon 97208

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